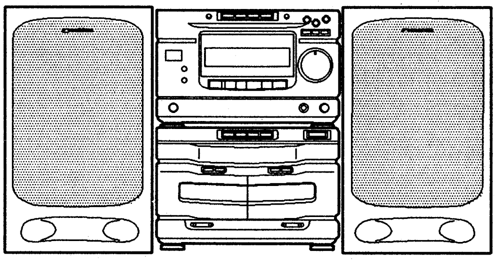
aiwa

NSX - D606
NSX - D603



COMPACT DISC STEREO SYSTEM

- BASIC TAPE MECHANISM : 2ZM – 3PR2N
- BASIC CD MECHANISM : KSM – 2101ABM

- TYPE. HE,LH,HR,E,EE,K,Z,U (D606)
  U (D603)

SYSTEM	AMPLIFIER TUNER	CASSETTE DECK CD PLAYER	REMOTE CONTROLLER	SPEAKER
NSX – D606	RX – N606	FD – N606	RC – TN606	SX – N606
NSX – D603	RX – N603	FD – N606	RC – TN606	SX – N606

SERVICE MANUAL

S/M Code No. 09 – 939 – 028 – 00T

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MODEL-NO. SX-N606

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SPECIFICATIONS

TUNER/AMPLIFIER RX-N606/RX-N603

<FM section>

Frequency range	87.5 MHz to 108 MHz
Usable sensitivity (IHF)	Except Z: 1.3 μV (75 ohms) 13.2 dBf Z: 1.9 μV (75 ohms) 16.8 dBf
Alternate channel selectivity	50 dB (±400 kHz)
Signal-to-noise ratio	STEREO: 70 dB (Except Z) 65 dB (Z) MONO: 76 dB (Except Z) 73 dB (Z)
Harmonic distortion	0.3 % (MONO), 1 kHz 0.5 % (STEREO, L-R), 1 kHz
Frequency response	30 Hz to 15 kHz (+0.5 dB, – 3 dB)
Stereo separation	Except Z: 33 dB at 1 kHz Z: 30 dB at 1 kHz
Antenna	75 ohms (unbalanced)

<AM (MW) section>

Frequency range	RX-N606 HE, HR, E, K, Z: AM 531 (530) kHz to 1602 (1710) kHz RX-N606 LH, U/RX-N603 U AM 530 (531) kHz to 1710 (1602) kHz
Usable sensitivity	350 μV/m
Selectivity	22 dB (9 kHz)
Signal-to-noise ratio	53 dB (100 dB input)
Antenna	Loop antenna

<LW section > (E, K, Z models only)

Frequency range	144 kHz to 290 kHz
Sensitivity	1400 μV/m
Antenna	Loop antenna

<Timer section>

Program timer	On-timer, capable of free setting
Sleep timer	Capable of setting in 10-minute increments, 240 minutes maximum

<Amplifier section>

Power output	RX-N606 LH, HE, HR: 40 W + 40 W (6 ohms, T.H.D. 10% 1 kHz) RX-N606 E, Z: 30 W + 30 W (6 ohms, T.H.D. 1 % 1 kHz) RX-N606 K: 40 W + 40 W (6 ohms, T.H.D. 10 % 1 kHz) 30 W + 30 W (6 ohms, T.H.D. 1 % 1 kHz) RX-N606 U, RX-N603 U (FTC RULE) 30 watts per channel, Min. RMS at 6 ohms, from 65 Hz to 15 kHz, with no more than 1 % Total Harmonic Distortion
Harmonic distortion	0.05 % (15 W, 1 kHz, 6 ohms)
Input sensitivity	VIDEO/AUX: 150 mV (adjustable)

CASSETTE DECK/COMPACT DISC PLAYER FD-N606

<Cassette deck section>

Track format	4 tracks, 2 channels
Frequency response	CrO_2 tape: 50 – 16000 Hz Normal tape: 50 – 15000 Hz
Signal-to-noise ratio	60 dB (DOLBY NR ON, CrO_2 tape peak level)
Tape speed	4.8 cm/sec. ($1^{7}/_{8}$ ips)
Recording system	AC bias
Erasure system	AC erase
Motor	DC servomotor × 1
Heads	Playback head × 1 (deck 1) Recording/playback/erasure head × 1 (deck 2)

<CD player section>

Disc	Compact disc
Scanning method	Non contact optical scanner (semiconductor laser application)
Laser	Semiconductor laser ($\lambda = 780$ nm)
Rotation speed	Approx. 500 rpm – 200 rpm (CLV)
Error correction	Cross Interleave, Reed Solomon code
No. of channels	2 channels
D-A conversion	16-bit linear
Wow/flutter	Unmeasurable
Signal-to-noise ratio	90 dB (1 kHz, 0 dB)
Harmonic distortion	0.05% (1 kHz, 0 dB)

SPEAKER SYSTEM SX-N606

(These values are for one speaker.)

Cabinet type	3 way, bass reflex (Magnetism sealed type)
Speaker	130 mm ($5^{1}/_{8}$ in.) cone type woofer 60 mm (2 in.) cone type tweeter 20 mm ($^{13}/_{16}$ in.) ceramic type super tweeter
Impedance	6 ohms
Music power	50 W
Output sound pressure level	87 dB/W/m
Dimensions (W × H × D)	188 × 340 × 230 mm ($7^{1}/_{2}$ × $13^{1}/_{2}$ × $9^{1}/_{8}$ in.)
Weight	3.2 kg (7.0 lbs.)

COMMON SECTION

Power requirements	NSX-D606 LH, HE, HR: AC 120 V/220 V/240 V, switchable 50/60 Hz NSX-D606 U/NSX-D603 U: AC 120 V, 50/60 Hz NSX-D606 E, Z: AC 230 V, 50 Hz NSX-D606 K: AC 240 V, 50 Hz
Power consumption (System total)	NSX-D606 LH, HE: 90 W NSX-D606 HR: 120 W NSX-D606 U, NSX-D603 U: 85 W NSX-D606 E, K, Z: 210 W
Dimensions (W × H × D)	Main unit: 260 × 340 × 330.5 mm ($10^{1}/_{4}$ × $13^{1}/_{2}$ × $13^{1}/_{8}$ in.) System: 636 × 340 × 330.5 mm ($25^{1}/_{8}$ × $13^{1}/_{2}$ × 13 in.)
Weight	Main unit: 8.4 kg (18.5 lbs.) System: 14.8 kg (32.6 lbs.)

- Design and specifications are subject to change without notice.
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  Under license from BBE Sound, Inc.

MODEL NO.

RX-N606/N603

ELECTRICAL MAIN PARTS LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
IC			
	87-002-272-080		IC, TC4052 BF
	82-NT3-630-010		IC, UPD78044GF-036
	87-017-373-010		IC, NJH32H380A
	87-001-607-080		IC, NJM4558M
	87-020-966-010		IC, STK4142-MK2
	87-017-375-080		IC, TC4094BF
	87-002-950-010		IC, BA3826S
	87-002-872-080		IC, MC14053 BF
	87-017-309-010		IC, M65830P
	87-017-449-010		IC, XR-1071CP〈EXCEPT 603〉
	87-017-487-010		IC, BU2611
	87-017-311-080		IC, M65831 FP〈HE, HR〉
	87-020-446-010		IC, TA7343AP
	87-001-942-010		IC, LA1265S (G)
TRANSISTOR			
	89-213-702-010		TR, 2SB1370E
	89-113-187-880		TR, 2SA1318TU
	89-332-665-080		TR, 2SC3266GR
	89-318-155-080		TR, 2SC1815GR
	89-327-125-080		C-TR, 2SC2712GR
	89-110-155-080		TR, 2SA1015GR〈HE, HR, LH, U, 603〉
	89-111-625-080		C-TR, 2SA1162GR
	89-333-266-080		C-TR, 2SC3326B
	87-026-227-080		C-TR, DTA114EK
	87-026-235-080		C-TR, DTC114EK
	87-026-226-080		C-TR, DTA143EK
	87-026-210-080		C-TR, DTC144EK
	87-026-232-080		C-TR, DTA144WK
	87-026-213-080		C-TR, DTC114YKT147
	87-026-238-080		C-TR, DTC144WK
	87-026-239-080		C-TR, DTC114TK
	89-502-464-080		FET, 2SK246Y
	89-318-154-080		TR, 2SC1815Y
	87-026-214-080		TR, DTA114YS
	89-327-143-080		C-TR, 2SC2714 (0)
	89-503-025-080		C-FET, 2SK302 GR
	89-502-115-080		C-FET, 2SK211GR〈Z〉
	89-502-114-580		C-FET, 2SK211Y GR〈Z, K, EE, E〉
DIODE			
	87-020-331-010		C-DIODE, DAN202K
	87-017-447-010		DIODE, GBU4DL
	87-017-377-050		DIODE, 1SR35-100A〈HE, HR, LH, U, 603〉
	87-001-820-010		DIODE, GP15B(F) 〈Z, K, EE, E〉
	87-002-836-080		DIODE, 1A3-J
	87-020-027-080		C-DIODE, 1SS184
	87-020-125-080		C-DIODE, 1SS181
	87-020-691-080		DIODE, 1SS132 T-72
	87-017-173-080		ZENER, HZS11A2L
	87-017-147-080		ZENER, HZS33-2
	87-001-290-080		ZENER, HZS6B1L
	87-001-731-080		ZENER, HZS6C2L
	87-001-911-080		ZENER, UTZJ4.7A (TAPG)
	87-001-936-080		ZENER, HZS7A3L
	87-017-091-080		ZENER, HZS5C1
	87-027-900-010		VARI-CAP, 1SV147
MAIN C.B			
BPF731	82-794-697-010		FILTER ANTI BIRDIE〈Z〉
BPF831	87-030-105-010		FLTR, BPMB6A〈Z〉
C101	87-010-399-090		CAP, E3300-35SME〈U, 603, Z, K, EE, E〉
C101	87-016-055-090		CAP, E3300-42HI-R〈HE, HR, LH〉
C102	87-010-399-090		CAP, E3300-35SME〈U, 603, Z, K, EE, E〉
C102	87-016-055-090		CAP, E3300-42HI-R〈HE, HR, LH〉
C103	87-010-390-090		CAP, E3300-25SME
C104	87-010-237-080		CAP, E1000-16
C105	87-010-101-080		CAP, E220-16SME
C106	87-010-764-080		CAP, E47-63V
C107	87-010-384-080		CAP, E100-25SME〈Z, K, EE, E〉
C107	87-010-407-080		CAP, E33-50SME〈HE, HR, LH, U, 603〉
C108	87-010-408-080		CAP, E47-50SME
C109	87-010-263-080		CAP, E100-10
C110	87-010-263-080		CAP, E100-10
C111	87-010-980-010		CAP, E330-16FS
C112	87-010-237-080		CAP, E1000-16
C113	87-010-403-080		CAP, E3.3-50SME
C114	87-010-192-080		C-CAP, S0.022-50F
C115	87-016-247-080		C-CAP, 0.1-50F〈Z〉
C116	87-012-140-080		C-CAP, S470P-50CH
C118	87-016-247-080		C-CAP, 0.1-50F〈Z〉
C119	87-015-883-080		C-CAP, 0.022-25BK〈Z〉
C120	87-015-883-080		C-CAP, 0.022-25BK〈Z〉
C205	87-016-073-080		CAP, E1-50FX
C206	87-016-073-080		CAP, E1-50FX
C207	87-016-073-080		CAP, E1-50FX
C208	87-016-073-080		CAP, E1-50FX
C209	87-010-197-080		C-CAP, S0.01-25B
C210	87-010-197-080		C-CAP, S0.01-25B
C211	87-010-401-080		CAP, E1-50SME
C212	87-010-401-080		CAP, E1-50SME
C213	87-010-402-080		CAP, E2.2-50SME
C214	87-010-402-080		CAP, E2.2-50SME
C215	87-012-272-080		C-CAP, S680P-50CH
C216	87-012-272-080		C-CAP, S680P-50CH
C217	87-010-401-080		CAP, E1-50SME
C218	87-010-401-080		CAP, E1-50SME
C221	87-010-400-080		CAP, E0.47-50SME
C222	87-010-400-080		CAP, E0.47-50SME
C223	87-010-260-080		CAP, E47-25SME
C224	87-010-260-080		CAP, E47-25SME
C225	87-010-260-080		CAP, E47-25SME
C226	87-010-260-080		CAP, E47-25SME
C227	87-012-368-080		C-CAP, S0.1-50F
C228	87-012-368-080		C-CAP, S0.1-50F
C229	87-012-361-080		C-CAP, S0.056-25Y
C230	87-012-361-080		C-CAP, S0.056-25Y
C231	87-010-189-080		C-CAP, S8200P-50B〈Z〉
C232	87-010-189-080		C-CAP, S8200P-50B〈Z〉
C233	87-010-546-080		CAP, E0.33-50SME
C234	87-010-263-080		CAP, E100-10
C236	87-010-408-080		CAP, E47-50SME
C237	87-010-403-080		CAP, E3.3-50SME
C238	87-010-403-080		CAP, E3.3-50SME
C241	87-010-197-080		C-CAP, S0.01-25B〈Z〉
C242	87-010-197-080		C-CAP, S0.01-25B〈Z〉
C243	87-010-154-080		C-CAP, S10P-50CH
C244	87-010-154-080		C-CAP, S10P-50CH
C245	87-010-322-080		C-CAP, S100P-50CH
C246	87-010-322-080		C-CAP, S100P-50CH
C253	87-010-260-080		CAP, E47-25SME
C502	87-010-322-080		C-CAP, S100P-50CH
C503	87-010-384-080		CAP, E100-25SME
C504	87-010-192-080		C-CAP, S0.022-50F
C505	87-010-401-080		CAP, E1-50SME

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
C506	87-010-178-080		C-CAP, S1000P-50B
C507	87-010-187-080		C-CAP, S5600P-50B
C508	87-010-196-080		C-CAP, S0. 1-25F
C509	87-016-081-080		C-CAP, S0. 1-16RK
C510	87-016-081-080		C-CAP, S0. 1-16RK
C511	87-010-260-080		CAP, E47-25SME
C512	87-010-196-080		C-CAP, S0. 1-25F
C513	87-010-194-080		C-CAP, S0. 047-25F
C514	87-010-178-080		C-CAP, S1000P-50B
C515	87-010-187-080		C-CAP, S5600P-50B
C516	87-010-263-080		CAP, E100-10
C517	87-010-196-080		C-CAP, S0. 1-25F
C518	87-010-220-080		C-CAP, S0. 018-25B
C519	87-010-181-080		C-CAP, S1800P-50B
C520	87-010-181-080		C-CAP, S1800P-50B
C533	87-010-401-080		CAP, E1-50SME
C534	87-010-401-080		CAP, E1-50SME
C540	87-010-370-080		CAP, E330-6. 3SME
C551	87-018-127-080		CAP, TC-U470P-50B〈Z〉
C552	87-018-127-080		CAP, TC-U470P-50B〈Z〉
C601	87-010-401-080		CAP, E1-50SME
C602	87-010-401-080		CAP, E1-50SME
C603	87-010-405-080		CAP, E10-50SME
C604	87-010-405-080		CAP, E10-50SME
C605	87-010-316-080		C-CAP, S33P-50CH
C606	87-010-316-080		C-CAP, S33P-50CH
C610	87-010-248-080		CAP, E220-10SME
C611	87-010-197-080		C-CAP, S0. 01-25B
C612	87-010-196-080		C-CAP, S0. 1-25F
C620	87-018-134-010		CAP, TC-U0. 01-16Y〈K, EE, E〉
C620	87-018-209-010		CAP, TC-U0. 1-50F〈EXCEPT K, EE, E〉
C628	87-010-404-080		CAP, E4. 7-50SME
C630	87-018-209-010		CAP, TC-U0. 1-50F〈Z〉
C631	87-018-134-010		CAP, TC-U0. 01-16Y〈Z〉
C700	87-010-221-080		CAP, E470-10
C701	87-010-384-080		CAP, E100-25SME
C702	87-010-404-080		CAP, E4. 7-50SME
C703	87-010-197-080		C-CAP, S0. 01-25B
C705	87-010-248-080		CAP, E220-10SME
C706	87-010-197-080		C-CAP, S0. 01-25B
C707	87-010-197-080		C-CAP, S0. 01-25B
C708	87-010-197-080		C-CAP, S0. 01-25B
C710	87-010-312-080		C-CAP, S15P-50CH
C711	87-010-213-080		C-CAP, S0. 015-25B〈EXCEPT U, 603〉
C711	87-010-192-080		C-CAP, S0. 022-50F〈U, 603〉
C712	87-010-213-080		C-CAP, S0. 015-25B〈EXCEPT U, 603〉
C712	87-010-192-080		C-CAP, S0. 022-50F〈U, 603〉
C713	87-010-184-080		C-CAP, S3300P-50B
C714	87-010-184-080		C-CAP, S3300P-50B
C715	87-010-179-080		C-CAP, S1200P-50B
C716	87-010-179-080		C-CAP, S1200P-50B
C719	87-010-196-080		C-CAP, S0. 1-25F
C720	87-012-154-080		C-CAP, S150P-50CH
C721	87-010-401-080		CAP, E1-50SME
C722	87-010-401-080		CAP, E1-50SME
C723	87-010-405-080		CAP, E10-50SME
C724	87-014-057-080		CAP, PP1000P-100J
C725	87-010-401-080		CAP, E1-50SME
C726	87-010-403-080		CAP, E3. 3-50SME
C727	87-010-248-080		CAP, E220-10SME
C728	87-010-402-080		CAP, E2. 2-50SME〈Z〉
C729	87-010-402-080		CAP, E2. 2-50SME〈Z〉
C731	87-010-197-080		C-CAP, S0. 01-25B
C732	87-010-197-080		C-CAP, S0. 01-25B
C734	87-010-322-080		C-CAP, S100P-50CH
C741	87-010-402-080		CAP, E2. 2-50SME
C742	87-012-157-080		C-CAP, S330P-50CH〈EXCEPT Z〉
C742	87-012-158-080		C-CAP, S390P-50CH〈Z〉
C743	87-010-382-080		CAP, E22-25SME
C744	87-010-197-080		C-CAP, S0. 01-25B
C745	87-010-197-080		C-CAP, S0. 01-25B
C746	87-010-401-080		CAP, E1-50SME
C747	87-010-197-080		C-CAP, S0. 01-25B
C748	87-010-404-080		CAP, E4. 7-50SME
C749	87-010-405-080		CAP, E10-50SME
C750	87-010-544-080		CAP, E0. 1-50
C751	87-010-403-080		CAP, E3. 3-50SME
C752	87-010-197-080		C-CAP, S0. 01-25B
C753	87-015-632-080		C-CAP, 0. 015-50BK
C754	87-010-260-080		CAP, E47-25SME
C755	87-010-401-080		CAP, E1-50SME
C756	87-010-197-080		C-CAP, S0. 01-25B
C802	87-010-154-080		C-CAP, S10P-50CH〈Z, K, EE, E〉
C802	87-010-151-080		C-CAP, S7P-50CH〈HE, HR, LH, U, 603〉
C804	87-010-151-080		C-CAP, S7P-50CH〈EXCEPT Z〉
C805	87-010-147-080		C-CAP, S3P-50CH〈Z〉
C805	87-010-150-080		C-CAP, S6P-50CH〈EXCEPT Z〉
C806	87-010-145-080		C-CAP, S1P-50CH〈EXCEPT Z〉
C806	87-010-148-080		C-CAP, S4P-50CH〈Z〉
C807	87-010-154-080		C-CAP, S10P-50CH〈EXCEPT Z〉
C807	87-010-315-080		C-CAP, S27P-50CH〈Z〉
C808	87-010-322-080		C-CAP, S100P-50CH
C809	87-010-197-080		C-CAP, S0. 01-25B
C810	87-010-197-080		C-CAP, S0. 01-25B
C811	87-010-149-080		C-CAP, S5P-50CH
C812	87-010-312-080		C-CAP, S15P-50CH
C813	87-010-197-080		C-CAP, S0. 01-25B
C814	87-010-197-080		C-CAP, S0. 01-25B
C818	87-010-197-080		C-CAP, S0. 01-25B
C819	87-010-197-080		C-CAP, S0. 01-25B
C820	87-010-260-080		CAP, E47-25SME
C821	87-010-197-080		C-CAP, S0. 01-25B
C822	87-010-197-080		C-CAP, S0. 01-25B〈EXCEPT Z〉
C823	87-010-197-080		C-CAP, S0. 01-25B
C826	87-010-197-080		C-CAP, S0. 01-25B
C827	87-010-145-080		C-CAP, S1P-50CH〈Z〉
C830	87-010-197-080		C-CAP, S0. 01-25B
C831	87-010-148-080		C-CAP, S4P-50CH〈EXCEPT Z〉
C831	87-010-150-080		C-CAP, S6P-50CH〈Z〉
C832	87-010-314-080		C-CAP, S22P-50CH〈Z〉
C833	87-018-134-010		CAP, TC-U0. 01-16Y〈Z, K, EE, E〉
C834	87-010-150-080		C-CAP, S6P-50CH〈Z〉
C835	87-010-154-080		C-CAP, S10P-50CH
C836	87-010-312-080		C-CAP, S15P-50CH
C837	87-010-312-080		C-CAP, S15P-50CH
C840	87-010-197-080		C-CAP, S0. 01-25B
C843	87-010-146-080		C-CAP, S2P-50CH
C850	87-010-197-080		C-CAP, S0. 01-25B〈Z〉
C851	87-010-197-080		C-CAP, S0. 01-25B〈Z〉
C941	87-010-197-080		C-CAP, S0. 01-25B〈Z, K, EE, E〉
C942	87-010-311-080		C-CAP, S12P-50CH〈Z, K, EE, E〉
C944	87-010-154-080		C-CAP, S10P-50CH〈Z, K, EE, E〉
C944	87-010-311-080		C-CAP, S12P-50CH〈HE, HR, LH, U, 603〉
C945	87-014-050-080		CAP, PP510P-100J〈Z, K, EE, E〉
C946	87-010-401-080		CAP, E1-50SME
C949	87-010-196-080		C-CAP, S0. 1-25F〈K, EE, E〉
C950	87-010-322-080		C-CAP, S100P-50CH
C983	87-010-544-080		CAP, E0. 1-50
C999	87-010-197-080		C-CAP, S0. 01-25B
CF741	82-794-670-010		BFU 450C4N
CF801	82-799-621-010		CF MS2-A〈Z〉
CF801	87-008-261-010		FLTR, SFE10. 7MA5-A〈EXCEPT Z〉
CF802	87-008-261-010		FLTR, SFE10. 7MA5-A〈Z〉
CF803	87-008-261-010		FLTR, SFE10. 7MA5-A
J250	87-049-855-010		JACK, 6. 3 W/S
J254	87-033-226-010		TERMINAL, SP 4P (JT)
J652	81-CXC-657-010		JACK, 4P-1〈EXCEPT Z〉
J652	87-099-372-010		JACK, 4P(W/EARTH)〈Z〉
J801	87-033-230-010		ANTTERM AJ2016〈Z, K, EE, E〉
J801	82-NF5-621-010		ANTTERM JBT0222〈HE, HR, LH, U, 603〉

REF.NO	PART NO.	カンリ NO.	DESCRIPTION
L201	87-005-366-010		COIL,1UH〈Z〉
L202	87-005-366-010		COIL,1UH〈Z〉
L651	87-003-051-080		COIL,470UH
L652	87-003-051-080		COIL,470UH
L701	87-008-513-010		COIL,1 POLE MPX SAG
L702	87-008-513-010		COIL,1 POLE MPX SAG
L741	81-631-611-010		COIL,QUAD (SINGLE)
L742	87-008-491-010		FLTR,PACFAZ 450
L801	87-006-219-010		COIL,ANT FM 3/4T,S
L802	87-006-210-010		COIL,ANT FM 2 3/4T
L803	87-006-200-010		COIL,RF FM 3-1/2T,L5
L804	87-006-201-010		COIL,RF FM3-1/2TS, L5
L805	87-003-098-080		COIL,2.2UH
L806	87-008-512-010		COIL,FM IFT SAG
L807	87-006-205-010		COIL,OSC FM (7K)
L831	87-006-201-010		COIL,RF FM3-1/2TS, L5〈Z〉
L832	87-003-098-080		COIL,2.2UH
L941	87-006-208-010		COIL,ANT LW〈Z,K,EE,E〉
L942	87-007-305-010		COIL,OSC LW S〈Z,K,EE,E〉
L981	82-NT3-632-010		AM PACK 1,SAG〈HE,HR,LH,U,603〉
L981	81-MX4-619-010		AM PACK 4〈Z,K,EE,E〉
R105	87-022-050-080		RESIS METAL 1W-0.22J
R106	87-022-050-080		RESIS METAL 1W-0.22J
R243	87-022-391-080		RES,M/F 0.47-1W〈EXCEPT U,603〉
R244	87-022-391-080		RES,M/F 0.47-1W〈EXCEPT U,603〉
R257	87-022-391-080		RES,M/F 0.47-1W〈EXCEPT U,603〉
R258	87-022-391-080		RES,M/F 0.47-1W〈EXCEPT U,603〉
RY101	87-045-335-010		RELAY,G5Z-2A 12VDC
SFR721	87-024-171-080		SFR 4.7K DIA6 V
SFR722	87-024-174-080		SFR 33K DIA6 V
TC701	87-011-221-080		TRIMER,30P VCT51
TC801	87-011-219-080		CAP TRIMMER 10P VCT
TC802	87-011-219-080		CAP TRIMMER 10P VCT
TC803	87-011-219-080		CAP TRIMMER 10P VCT〈Z〉
TC942	87-011-221-080		TRIMER,30P VCT51〈Z,K,EE,E〉
VR651	82-NF5-660-010		VR,50K BX2 RK14K 12A
W101	81-MX4-647-010		F-CABEL,7P-2.5〈EXCEPT E〉
W101	81-MX4-706-010		F-CABLE,7P-2.5G〈E〉
W605	82-NT3-631-010		CORD,FG 15P〈603,Z,K,EE〉
X501	87-030-305-080		VIB,CER CST 1.84MG
X701	87-030-163-010		VIB,XTAL 7.2MHZ(NDK)

FRONT C.B

REF.NO	PART NO.	カンリ NO.	DESCRIPTION
C201	87-010-408-040		CAP,E47-50SME
C202	87-010-404-040		CAP,E4.7-50SME
C203	87-010-404-040		CAP,E4.7-50SME
C204	87-010-264-040		CAP,E100-105L
C205	87-010-401-040		CAP,E1-50SME
C206	87-010-401-040		CAP,E1-50SME
C207	87-010-248-040		CAP,E220-10SME
C208	87-010-405-040		CAP,E10-50SME
C209	87-010-196-080		C-CAP,S0.1-25F
C210	87-010-196-080		C-CAP,S0.1-25F
C211	87-010-178-080		C-CAP,S1000P-50B
C301	87-010-196-080		C-CAP,S0.1-25F
C401	87-010-384-040		CAP,E100-25SME
C501	87-010-196-080		C-CAP,S0.1-25F
C502	87-010-196-080		C-CAP,S0.1-25F
C503	87-010-109-080		C-CAP,S0.22
C601	87-010-248-040		CAP,E220-10SME
C602	87-010-593-080		C-CAP,S0.027-16RK
C603	87-010-593-080		C-CAP,S0.027-16RK
C604	87-010-428-080		C-CAP,S0.015
C605	87-010-401-040		CAP,E1-50SME
C606	87-010-401-040		CAP,E1-50SME
C607	87-010-401-040		CAP,E1-50SME
C608	87-010-405-040		CAP,E10-50SME
C609	87-010-197-080		C-CAP,S0.01-25B
C610	87-010-404-040		CAP,E4.7-50SME
C611	87-010-405-040		CAP,E10-50SME
C612	87-010-405-040		CAP,E10-50SME
C650	87-016-251-040		CAP,E220-16SMG〈EXCEPT 603〉
C651	87-010-401-040		CAP,E1-50SME〈EXCEPT 603〉
C652	87-010-405-040		CAP,E10-50SME〈EXCEPT 603〉
C653	87-010-178-080		C-CAP,S1000P-50B〈EXCEPT 603〉
C654	87-010-178-080		C-CAP,S1000P-50B〈EXCEPT 603〉
C655	87-010-404-040		CAP,E4.7-50SME〈EXCEPT 603〉
C656	87-010-404-010		CAP,E4.7-50SME〈EXCEPT 603〉
C657	87-010-404-010		CAP,E4.7-50SME〈EXCEPT 603〉
C658	87-010-404-040		CAP,E4.7-50SME〈EXCEPT 603〉
C659	87-012-154-080		C-CAP,S150P-50CH〈EXCEPT 603〉
C660	87-012-154-080		C-CAP,S150P-50CH〈EXCEPT 603〉
C661	87-010-404-040		CAP,E4.7-50SME〈EXCEPT 603〉
C662	87-010-404-040		CAP,E4.7-50SME〈EXCEPT 603〉
C663	87-010-197-080		C-CAP,S0.01-25B〈EXCEPT 603〉
C664	87-010-197-080		C-CAP,S0.01-25B〈EXCEPT 603〉
C665	87-010-400-040		CAP,E0.47-50〈EXCEPT 603〉
C666	87-010-400-040		CAP,E0.47-50〈EXCEPT 603〉
C667	87-010-184-080		C-CAP,S3300P-50B〈EXCEPT 603〉
C668	87-010-184-080		C-CAP,S3300P-50B〈EXCEPT 603〉
C669	87-012-155-080		C-CAP,S180P-50CH〈EXCEPT 603〉
C670	87-012-155-080		C-CAP,S180P-50CH〈EXCEPT 603〉
C671	87-010-405-040		CAP,E10-50SME〈EXCEPT 603〉
C672	87-010-401-040		CAP,E1-50SME〈EXCEPT 603〉
C673	87-010-405-040		CAP,E10-50SME
C674	87-010-405-040		CAP,E10-50SME
C681	87-012-154-080		C-CAP,S150P-50CH〈603〉
C682	87-012-154-080		C-CAP,S150P-50CH〈603〉
C683	87-016-251-040		CAP,E220-10SMG〈603〉
C684	87-010-405-040		CAP,E10-50SME〈603〉
C701	87-010-196-080		C-CAP,S0.1-25F
C702	87-010-183-080		C-CAP,S2700P-50B
C703	87-010-192-080		C-CAP,S0.022-50F〈EXCEPT 603〉
C704	87-010-403-040		CAP,E3.3-50SME
C705	87-010-175-080		C-CAP,S560P-50SL
C706	87-010-401-040		CAP,E1-50SME
C707	87-010-545-040		CAP,E0.22-50SME
C708	87-010-177-080		C-CAP,S820P-50SL
C709	87-010-374-040		CAP,E47-10
C710	87-010-248-040		CAP,E220-10SME
C711	87-010-401-040		CAP,E1-50SME
C712	87-010-401-040		CAP,E1-50SME
C721	87-010-263-040		CAP,E100-10〈HE,HR〉
C722	87-010-196-080		C-CAP,S0.1-25F〈HE,HR〉
C723	87-010-594-080		C-CAP,S0.033-16RK
C724	87-010-187-080		C-CAP,S5600P-50B〈HE,HR〉
C725	87-010-175-080		C-CAP,S560P-50SL〈HE,HR〉
C726	87-010-196-080		C-CAP,S0.1-25F〈HE,HR〉
C727	87-010-374-040		CAP,E47-10〈HE,HR〉
C728	87-016-081-080		C-CAP,S0.1-16RK〈HE,HR〉
C729	87-016-081-080		C-CAP,S0.1-16RK〈HE,HR〉
C730	87-010-196-080		C-CAP,S0.1-25F〈HE,HR〉
C731	87-010-187-080		C-CAP,S5600P-50B〈HE,HR〉
C732	87-010-175-080		C-CAP,S560P-50SL〈HE,HR〉
C733	87-010-401-040		CAP,E1-50SME〈HE,HR〉
C734	87-010-197-080		C-CAP,S0.01-25B〈HE,HR〉
C735	87-010-374-040		CAP,E47-10〈HE,HR〉
FL201	82-NF5-632-010		FL,BJ116GK
J701	81-MX4-630-010		JACK,3.5
LED301	87-017-469-080		LED,SEL2215S TP3
LED302	87-017-469-080		LED,SEL2215S TP3
LED303	87-017-469-080		LED,SEL2215S TP3
LED304	87-017-489-080		LED,SEL1450GM-YG TP5
LED305	87-017-489-080		LED,SEL1450GM-YG TP5
LED306	87-017-489-080		LED,SEL1450GM-YG TP5
LED307	87-017-489-080		LED,SEL1450GM-YG TP5
LED308	87-017-489-080		LED,SEL1450GM-YG TP5
LED309	87-017-489-080		LED,SEL1450GM-YG TP5

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
LED310	87-017-489-080		LED, SEL1450GM-YG TP5
LED311	87-017-489-080		LED, SEL1450GM-YG TP5
LED312	87-017-350-080		LED, SEL1550CM
LED313	87-017-350-080		LED, SEL1550CM
LED314	87-017-350-080		LED, SEL1550CM
LED315	87-017-350-080		LED, SEL1550CM
LED316	87-017-350-080		LED, SEL1550CM
LED317	87-017-350-080		LED, SEL1550CM
S241	87-036-170-080		SW, TACT〈E〉
S241	87-036-215-080		SW, TACT EVQ21404M〈EXCEPT E〉
S242	87-036-170-080		SW, TACT〈E〉
S242	87-036-215-080		SW, TACT EVQ21404M〈EXCEPT E〉
S243	87-036-170-080		SW, TACT〈E〉
S243	87-036-215-080		SW, TACT EVQ21404M〈EXCEPT E〉
S244	87-036-170-080		SW, TACT〈E〉
S244	87-036-215-080		SW, TACT EVQ21404M〈EXCEPT E〉
S245	87-036-170-080		SW, TACT〈E〉
S245	87-036-215-080		SW, TACT EVQ21404M〈EXCEPT E〉
S246	87-036-170-080		SW, TACT〈E〉
S246	87-036-215-080		SW, TACT EVQ21404M〈EXCEPT E〉
S247	87-036-170-080		SW, TACT〈E〉
S247	87-036-215-080		SW, TACT EVQ21404M〈EXCEPT E〉
S248	87-036-170-080		SW, TACT〈E〉
S248	87-036-215-080		SW, TACT EVQ21404M〈EXCEPT E〉
S249	87-036-170-080		SW, TACT〈E〉
S249	87-036-215-080		SW, TACT EVQ21404M〈EXCEPT E〉
S250	87-036-170-080		SW, TACT〈E〉
S250	87-036-215-080		SW, TACT EVQ21404M〈EXCEPT E〉
S251	87-036-170-080		SW, TACT〈E〉
S251	87-036-215-080		SW, TACT EVQ21404M〈EXCEPT E〉
S252	87-036-170-080		SW, TACT〈E〉
S252	87-036-215-080		SW, TACT EVQ21404M〈EXCEPT E〉
S253	87-036-170-080		SW, TACT〈E〉
S253	87-036-215-080		SW, TACT EVQ21404M〈EXCEPT E〉
S254	87-036-170-080		SW, TACT〈E〉
S254	87-036-215-080		SW, TACT EVQ21404M〈EXCEPT E〉
S255	87-036-170-080		SW, TACT〈E〉
S255	87-036-215-080		SW, TACT EVQ21404M〈EXCEPT 603, E〉
S256	87-036-170-080		SW, TACT〈E〉
S256	87-036-215-080		SW, TACT EVQ21404M〈EXCEPT E〉
S257	87-036-170-080		SW, TACT〈E〉
S257	87-036-215-080		SW, TACT EVQ21404M〈EXCEPT E〉
S258	87-036-170-080		SW, TACT〈E〉
S258	87-036-215-080		SW, TACT EVQ21404M〈EXCEPT E〉
S259	87-036-170-080		SW, TACT〈E〉
S259	87-036-215-080		SW, TACT EVQ21404M〈EXCEPT E〉
S260	87-036-170-080		SW, TACT〈E〉
S260	87-036-215-080		SW, TACT EVQ21404M〈EXCEPT E〉
S261	87-036-170-080		SW, TACT〈E〉
S261	87-036-215-080		SW, TACT EVQ21404M〈EXCEPT E〉
VR701	81-MX4-637-010		VR, 10KA RK11K1130
VR721	81-MT3-632-010		VR, SL 10KB〈HE, HR〉
X201	87-008-394-080		CF CST 4. 19 MGW
X721	87-008-496-080		CERA LOCK CST2. 0MG〈HE, HR〉

MVR C. B

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
C801	87-010-384-040		CAP, E100-25SME
C802	87-010-248-040		CAP, E220-10SME
C803	87-010-197-080		C-CAP, S0. 01-25B
C804	87-010-197-080		C-CAP, S0. 01-25B
C805	87-010-248-040		CAP, E220-10SME
C806	87-010-192-080		C-CAP, S0. 022-50F
C811	87-010-187-080		C-CAP, S5600P-50B
C812	87-010-187-080		C-CAP, S5600P-50B
C813	87-010-154-080		C-CAP, S10P-50CH
C814	87-010-154-080		C-CAP, S10P-50CH
C815	87-012-154-080		C-CAP, S150P-50CH
C816	87-012-154-080		C-CAP, S150P-50CH
C817	87-010-184-080		C-CAP, S3300P-50B
C818	87-010-184-080		C-CAP, S3300P-50B
C819	87-010-197-080		C-CAP, S0. 01-25B
C820	87-010-197-080		C-CAP, S0. 01-25B
C821	87-012-154-080		C-CAP, S150P-50CH
C822	87-012-154-080		C-CAP, S150P-50CH
C823	87-012-365-080		C-CAP, S0. 027-25VBK
C824	87-012-365-080		C-CAP, S0. 027-25VBK
C825	87-010-320-080		C-CAP, S68P-50CH
C826	87-010-320-080		C-CAP, S68P-50CH
C827	87-010-186-080		C-CAP, S4700P-50B
C828	87-010-186-080		C-CAP, S4700P-50B
C829	87-010-994-080		C-CAP, S680-50CH
C830	87-010-994-080		C-CAP, S680-50CH
C831	87-010-402-040		CAP, E2. 2-50SME
C832	87-010-402-040		CAP, E2. 2-50SME
C833	87-010-401-040		CAP, E1-50SME
C834	87-010-401-040		CAP, E1-50SME
C835	87-010-320-080		C-CAP, S 68P-50 CH
C836	87-010-320-080		C-CAP, S 68P-50 CH
L801	87-003-152-080		COIL, 100UH〈Z〉
L802	87-003-152-080		COIL, 100UH〈Z〉
VR801	82-MA3-635-010		VR, 50KBX2 (MO)

PT C. B

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
R100	87-022-050-080		RES, METAL 1W-0. 22J〈K〉
R100	87-022-449-090		RES, NF 0. 47-1/2W〈EXCEPT K〉
R101	87-022-449-090		RES, NF 0. 47-1/2W〈EXCEPT K〉

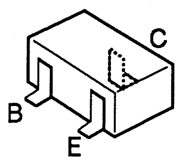
SW C. B

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
⚠	87-033-147-010		CLAMP, FUSE〈HE, HR, LH〉
	82-304-743-010		TERMINAL, 1P〈HE, HR, LH, U, 603〉
⚠F101	87-035-367-010		FUSE, 3. 15A 250V T E〈HR〉
⚠F101	87-035-415-010		FUSE, T2. 5A 250V UL〈HE, LH〉
⚠SW101	87-036-229-010		SW, SL DP3C RA〈HE, HR, LH〉

MISCELLANEOUS

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
⚠	87-050-032-010		AC CORD ASSY, K 3P S〈K〉
⚠	87-050-034-010		AC CORD ASSY, E〈HE, HR, Z, EE〉
⚠	87-050-016-010		AC CORD ASSY, E〈E〉
⚠	87-050-023-010		AC CORD ASSY, U-2〈U, 603〉
⚠	87-034-749-010		AC CORD, H W/PLUG〈LH〉
	89-VT5-202-010		FG BUSHING, CORD
⚠	87-085-184-010		BUSHING, CORD〈LH〉
⚠	87-085-185-010		BUSHING, CORD〈HE, HR, Z, K, EE, E〉
⚠	87-085-189-010		BUSHING, CORD〈U, 603〉
⚠PT101	82-NF5-624-210		PT, 2NF5 HE〈HE, LH〉
⚠PT101	82-NF5-628-010		PT, 2NF5 HR〈HR〉
⚠PT101	82-NF5-627-210		PT, 2NF5 U〈U, 603〉
⚠PT101	82-NF5-625-010		PT, 2NF5 E, K〈Z, K, EE, E〉
W605	82-NT3-631-010		CORD, FG 15P〈HE, HR, LH, U, E〉

TRANSISTOR ILLUSTRATION



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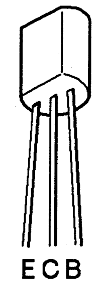

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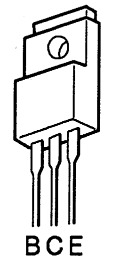
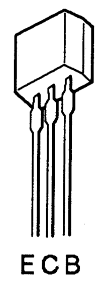
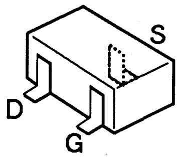
2SC3266



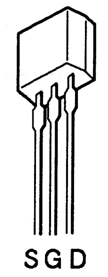
2SB1370



DTA114YS



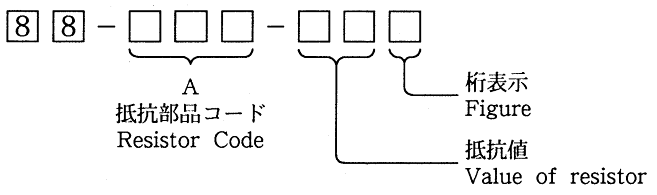
2SK211
2SK302



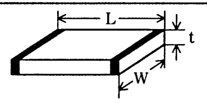
2SK246

○ チップ抵抗部品コード／CHIP RESISTOR PART CODE

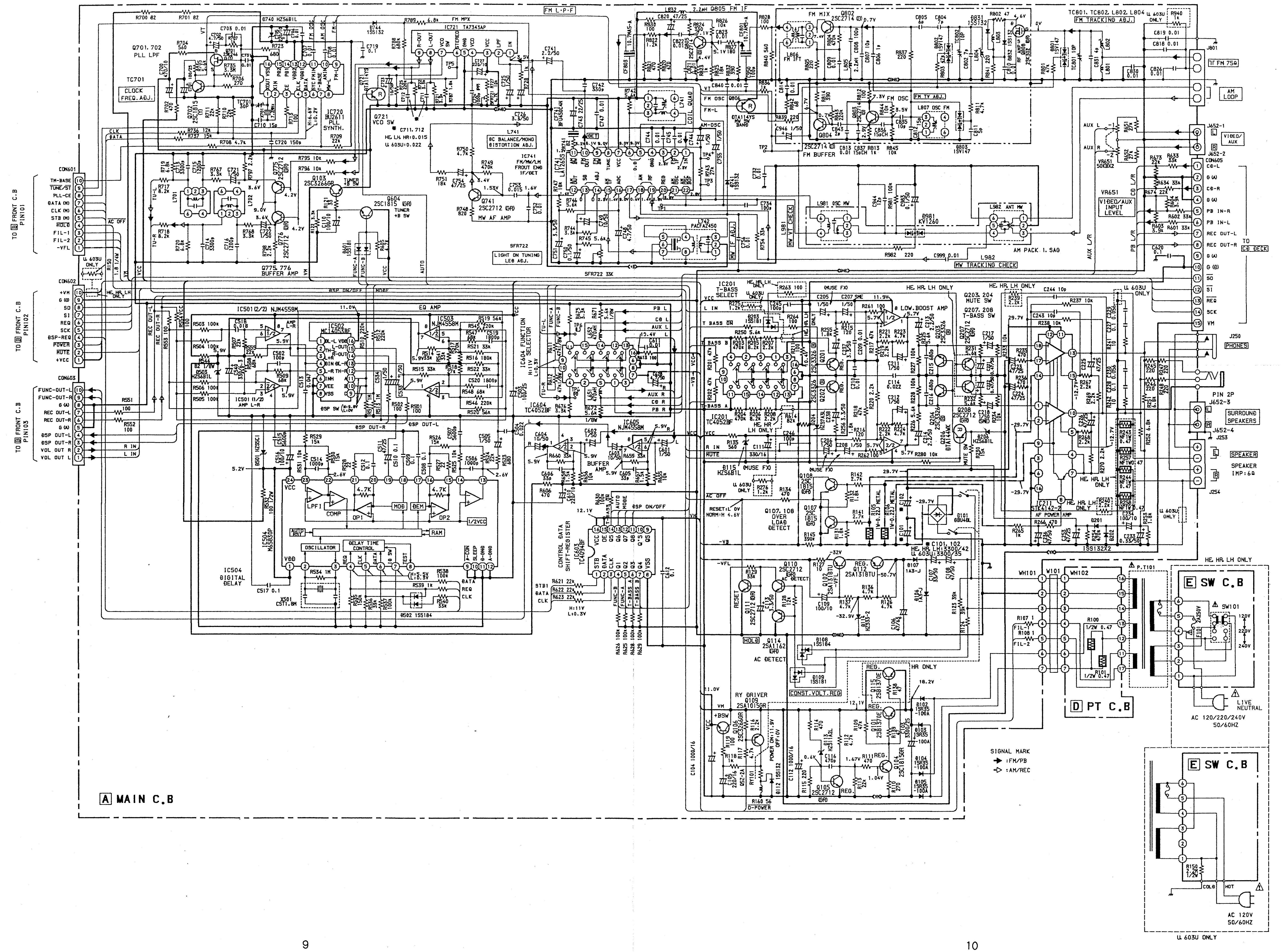
チップ抵抗部品コードの成り立ち
Chip Resistor Part Coding



チップ抵抗
Chip resistor

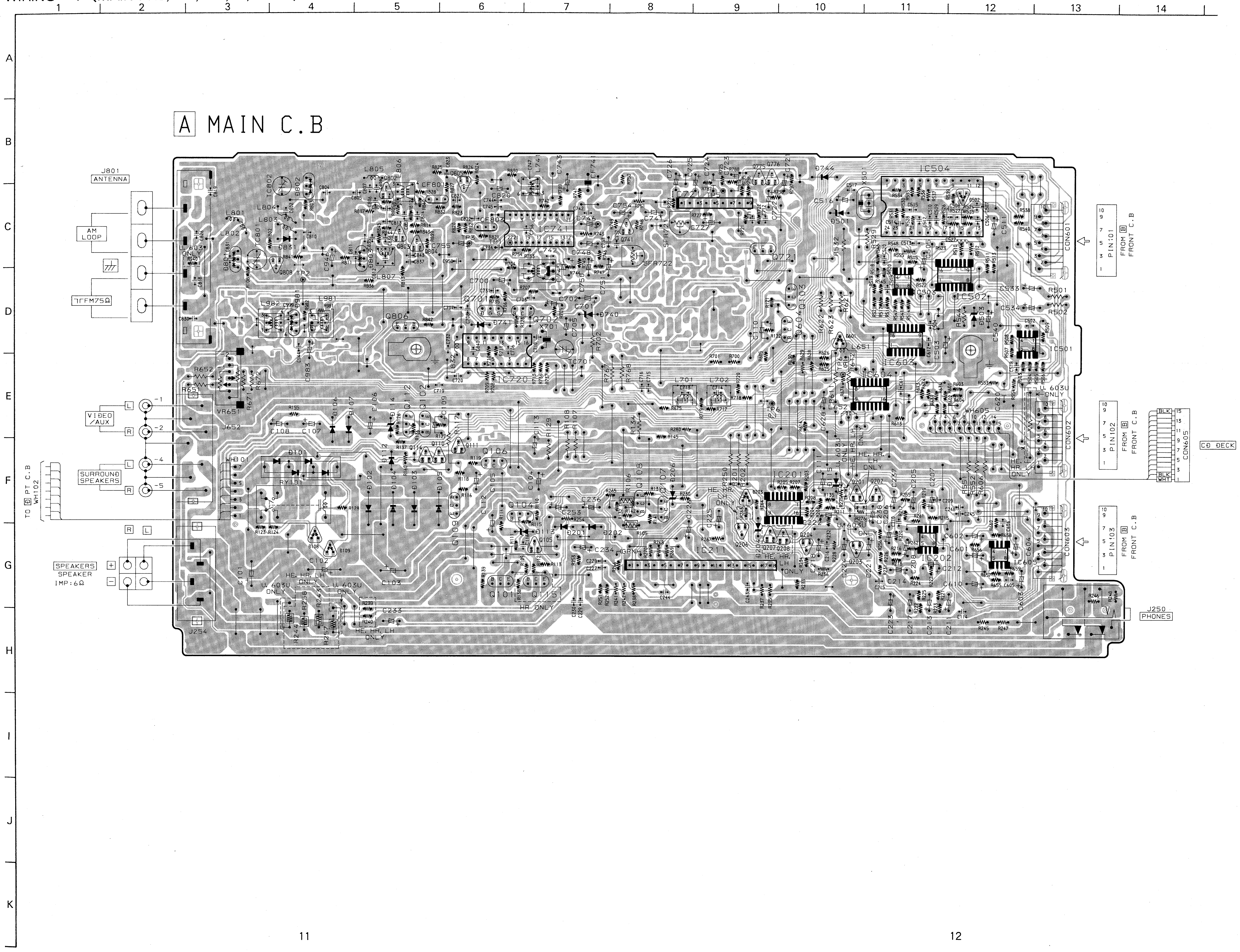
Wattage 容量	Type 種類	Tolerance 許容誤差	Symbol 記号	Dimensions／寸法 (mm)				Resistor Code : A 抵抗コード : A
				Form/外形	L	W	t	
1/32W	1608	±5%	CJ		1.6	0.8	0.35	108
1/10W	2125	±5%	CJ		2	1.25	1.45	118
1/8W	3126	±5%	CJ		3.2	1.6	0.5 ~0.7	128

SCHEMATIC DIAGRAM – 1 (MAIN : HE, LH, HR, U, 603U)



FM L.P.F
Q701, 702 PLL LPF
TC701 CLOCK FREQ. ADJ.
IC720 BU2611 PLL SYNTH.
IC721 TA7343AP
FM MPX
Q721 VCO SW
BC BALANCE/MONO DISTORTION ADJ.
IC741 FM/MW/LW FRONT END IF/DET
Q741 2SC2712 (GR) MW AF AMP
Q103 2SC3266GR
Q604 2SC1815 (GR) TUNER +B SW
Q775, 776 BUFFER AMP
SFR722
LIGHT ON TUNING LED ADJ.
COIL QUAD
Q805 FM IF
FM MIX Q802 2SC2714
FM OSC
FM TY ADJ.
FM BUFFER
FM TRACKING ADJ.
TC801, TC802, L802, L804
FM 75Ω
AM LOOP
VIDEO/AUX
VR651 VIDEO/AUX INPUT LEVEL
L981 OSC MW
L982 ANT MW
AM PACK 1. SAG
MW TRACKING CHECK
MW VT CHECK
MW IF ADJ.
CON601
TO Ⓓ FRONT C.B PIN101
TM-BASE
TUNE/ST
PLL-CE
DATA (M)
CLK (M)
STB (M)
HOLD
FIL-1
FIL-2
-VFL
CON602
TO Ⓓ FRONT C.B PIN102
+VM
G (D)
SO
SI
REQ
SCK
DSP-REQ
POWER
MUTE
+VCC
CON603
TO Ⓓ FRONT C.B PIN103
FUNC-OUT-L
FUNC-OUT-R
G (A)
REC OUT-L
REC OUT-R
DSP OUT-L
DSP OUT-R
VOL OUT R
VOL OUT L
IC501 (2/2) NJM4558M
IC501 (1/2) AMP L-R
IC502 MC14053BF
IC503 NJM4558M
EQ AMP
IC604 FUNCTION SELECTOR TC4052BF
IC605 NJM4558M BUFFER AMP
IC504 DIGITAL DELAY M65830P
LPF1
COMP
OP1
MOD
DEM
OP2
1/2VCC
AUTO BST
RAM
OSCILLATOR
DELAY TIME CONTROL
X501 CST1.8M
IC606 CONTROL DATA SHIFT-REGISTER
IC201 T-BASS SELECT
IC201 TC4052BF
LOW.BOOST AMP
Q203, 204 MUTE SW
Q207, 208 T-BASS SW
IC211 STK4142-2 AF POWER AMP
HE, HR, LH ONLY
U 603U ONLY
Q107, 108 OVER LOAD DETECT
RESET
AC DETECT
CONST.VOLT.REG
RY DRIVER
REG.
HR ONLY
D-POWER
CON605
CD-L
CD-R
PB IN-R
PB IN-L
REC OUT-L
REC OUT-R
TO CD DECK
PHONES
SURROUND SPEAKERS
SPEAKER
SPEAKER IMP:6Ω
J250
J652-3
J652-4
J253
J254
WH101
W101
WH102
P.T101
Ⓓ PT C.B
Ⓔ SW C.B
SW101
120V
220V
240V
LIVE
NEUTRAL
AC 120/220/240V 50/60HZ
HOT
COLD
AC 120V 50/60HZ
U 603U ONLY
SIGNAL MARK
➔ :FM/PB
⇨ :AM/REC
Ⓐ MAIN C.B

WIRING – 1 (MAIN : HE, LH, HR, U, 603U)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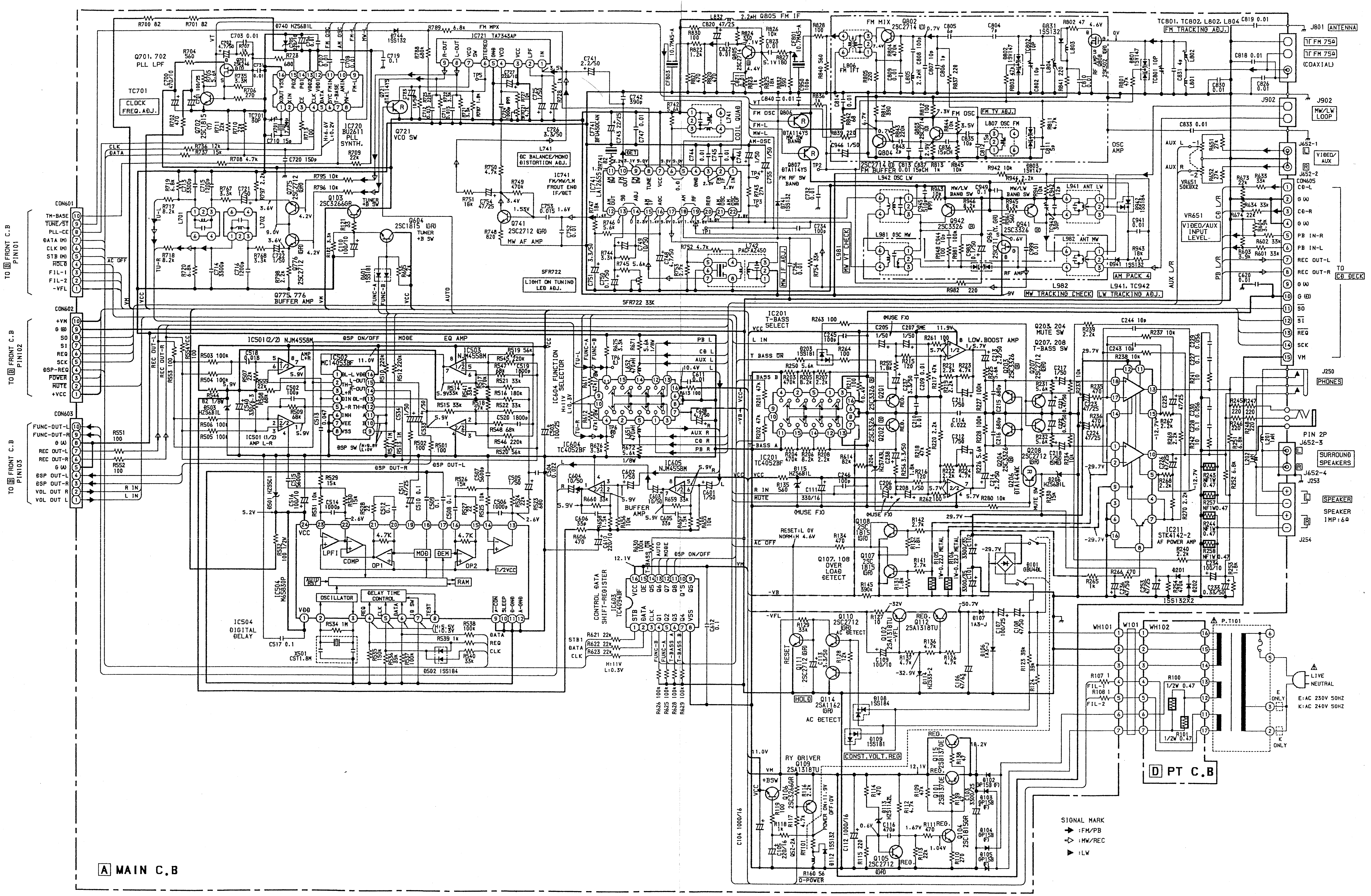
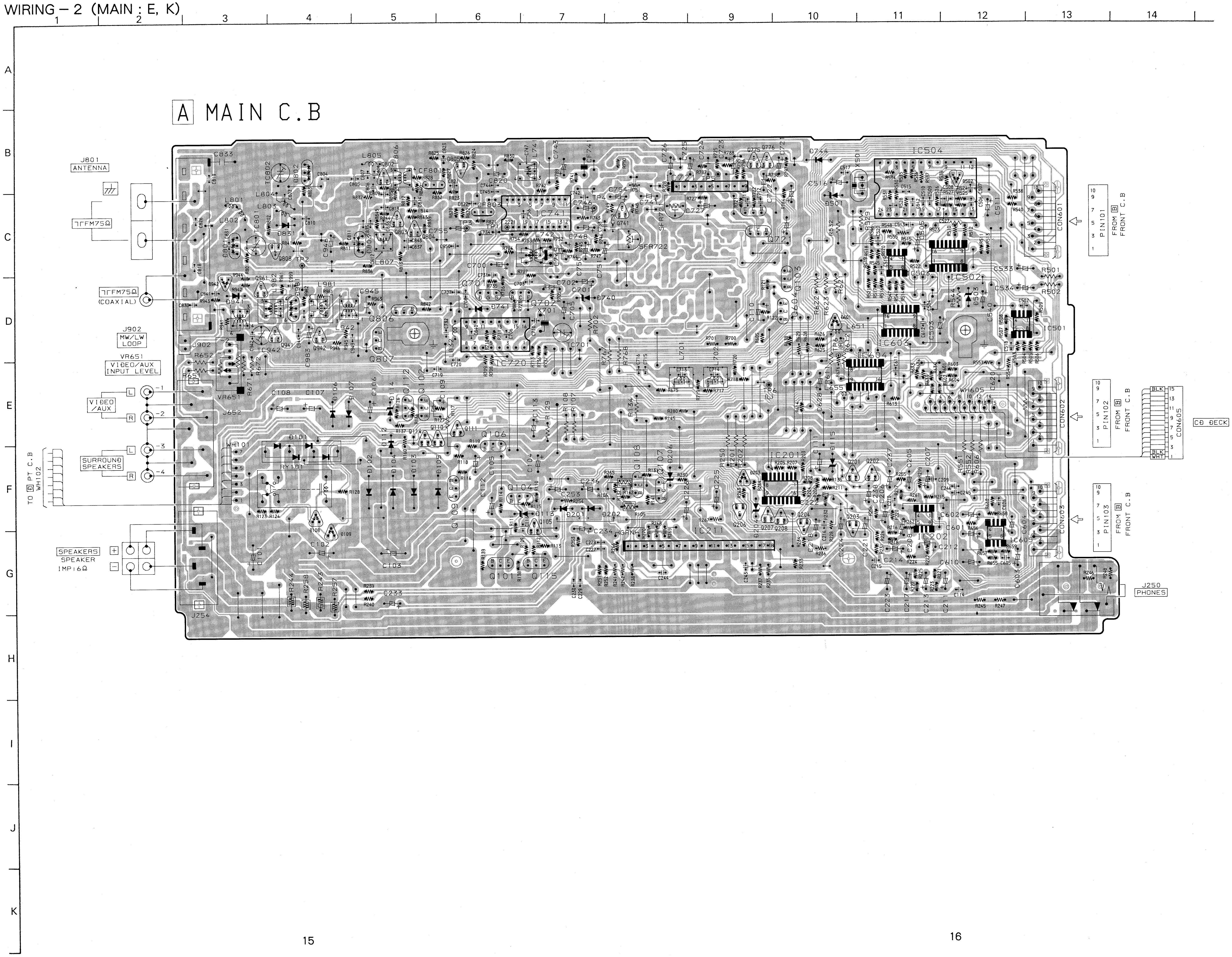
14
A
B
C
D
E
F
G
H
I
J
K
A MAIN C.B
J801
ANTENNA
AM LOOP
FM75Ω
VIDEO /AUX
L
R
-1
-2
-4
-5
J652
VR651
SURROUND SPEAKERS
TO D PT C.B WH102
WH101
RY101
SPEAKERS
SPEAKER IMP:6Ω
+
−
J254
U, 603U ONLY
HE, HR, LH ONLY
HR ONLY
IC802
IC801
IC741
IC720
IC701
IC504
IC502
IC501
IC503
IC604
IC605
IC201
IC202
IC211
IC603
CON601
CON602
CON603
CON605
PIN101 FROM B FRONT C.B
PIN102 FROM B FRONT C.B
PIN103 FROM B FRONT C.B
CD DECK
BLK
WHT
J250
PHONES
WH605
U, 603U ONLY
HE, HR, LH ONLY
X501
X701
SFR722
TP2
TP6

SCHEMATIC DIAGRAM – 2 (MAIN : E, K)



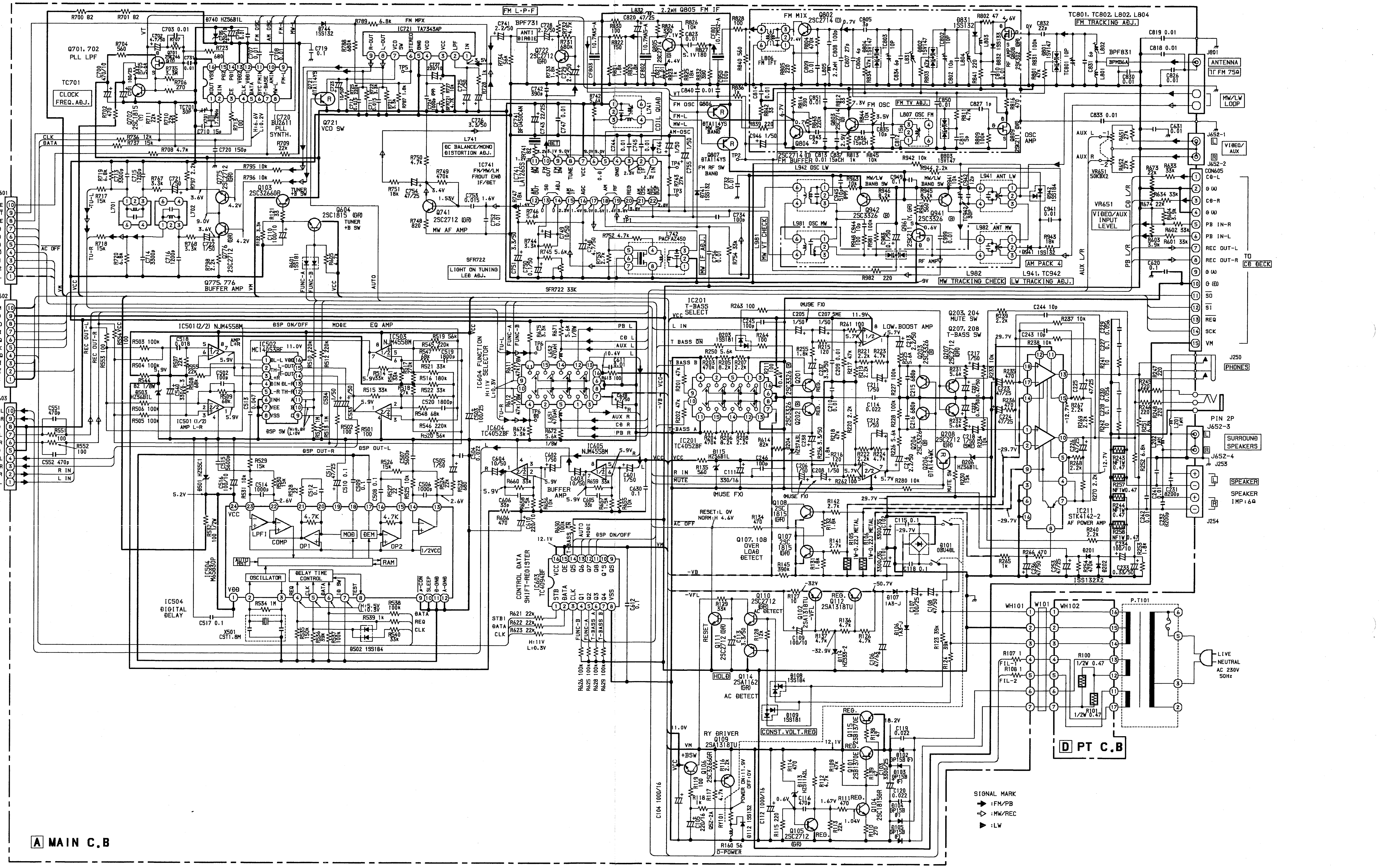
A MAIN C.B
D PT C.B
Q701, 702 PLL LPF
TC701 CLOCK FREQ. ADJ.
IC720 BU2611 PLL SYNTH.
Q721 VCO SW
IC721 TA7343AP
L741 DC BALANCE/MONO DISTORTION ADJ.
IC741 FM/MW/LW FRONT END IF/DET
Q741 2SC2712 (GR) MW AF AMP
SFR722 LIGHT ON TUNING LED ADJ.
Q775, 776 BUFFER AMP
Q103 2SC3266GR TUNER +B SW
Q604 2SC1815 (GR) TUNER +B SW
Q805 FM IF
Q802 2SC2714 FM MIX
Q806 FM OSC
FM TV ADJ.
L807 OSC FM
OSC AMP
Q807 BTA114YS FM RF SW BAND
Q804 2SC2714 FM BUFFER
L942 OSC LW
L941 ANT LW
L981 OSC MW
L982 ANT MW
AM PACK 4
MW VT CHECK
MW IF ADJ.
MW TRACKING CHECK
LW TRACKING ADJ.
L941, TC942
TC801, TC802, L802, L804
FM TRACKING ADJ.
J801 ANTENNA
FM 75Ω
FM 75Ω (COAXIAL)
J902 MW/LW LOOP
J652-1 VIDEO/AUX
VR651 VIDEO/AUX INPUT LEVEL
TO CD DECK
CON601
TM-BASE
TUNE/ST
PLL-CE
DATA (M)
CLK (M)
STB (M)
HOLD
FIL-1
FIL-2
-VFL
TO B FRONT C.B PIN101
CON602
+VM
G (D)
SO
SI
REQ
SCK
DSP-REQ
POWER
MUTE
+VCC
TO B FRONT C.B PIN102
CON603
FUNC-OUT-L
FUNC-OUT-R
G (A)
REC OUT-L
REC OUT-R
G (A)
DSP OUT-L
DSP OUT-R
VOL OUT R
VOL OUT L
TO B FRONT C.B PIN103
IC501 (2/2) NJM4558M
IC502 MC14053BF
IC503 NJM4558M
EQ AMP
DSP ON/OFF
MODE
IC501 (1/2) AMP L-R
IC504 M65830P
IC504 DIGITAL DELAY
LPF1
COMP
OP1
MOD
DEM
OP2
1/2VCC
AUTO RST
RAM
OSCILLATOR
DELAY TIME CONTROL
X501 CST1.8M
D502 1SS184
IC604 FUNCTION SELECTOR
IC604 TC4052BF
IC605 NJM4558M BUFFER AMP
IC603 TC4094BF CONTROL DATA SHIFT-REGISTER
IC201 T-BASS SELECT
IC201 TC4052BF
LOW BOOST AMP
Q203, 204 MUTE SW
Q207, 208 T-BASS SW
IC211 STK4142-2 AF POWER AMP
J250 PHONES
PIN 2P J652-3
SURROUND SPEAKERS
J652-4 J253
SPEAKER IMP: 6Ω
J254
Q107, 108 OVER LOAD DETECT
RESET:L 0V NORMAL:H 4.6V
Q110 2SC2712 AC DETECT
Q112 REG.
Q111 RESET
Q114 2SA1162 AC DETECT
HOLD
CONST. VOLT. REG
Q109 2SA1318TU RY DRIVER
Q115 REG.
Q101 REG.
Q105 2SC2712 REG.
R160 56 D-POWER
WH101
W101
WH102
P.T101
LIVE
NEUTRAL
E:AC 230V 50HZ
K:AC 240V 50HZ
E ONLY
K ONLY
SIGNAL MARK
:FM/PB
:MW/REC
:LW

WIRING – 2 (MAIN : E, K)

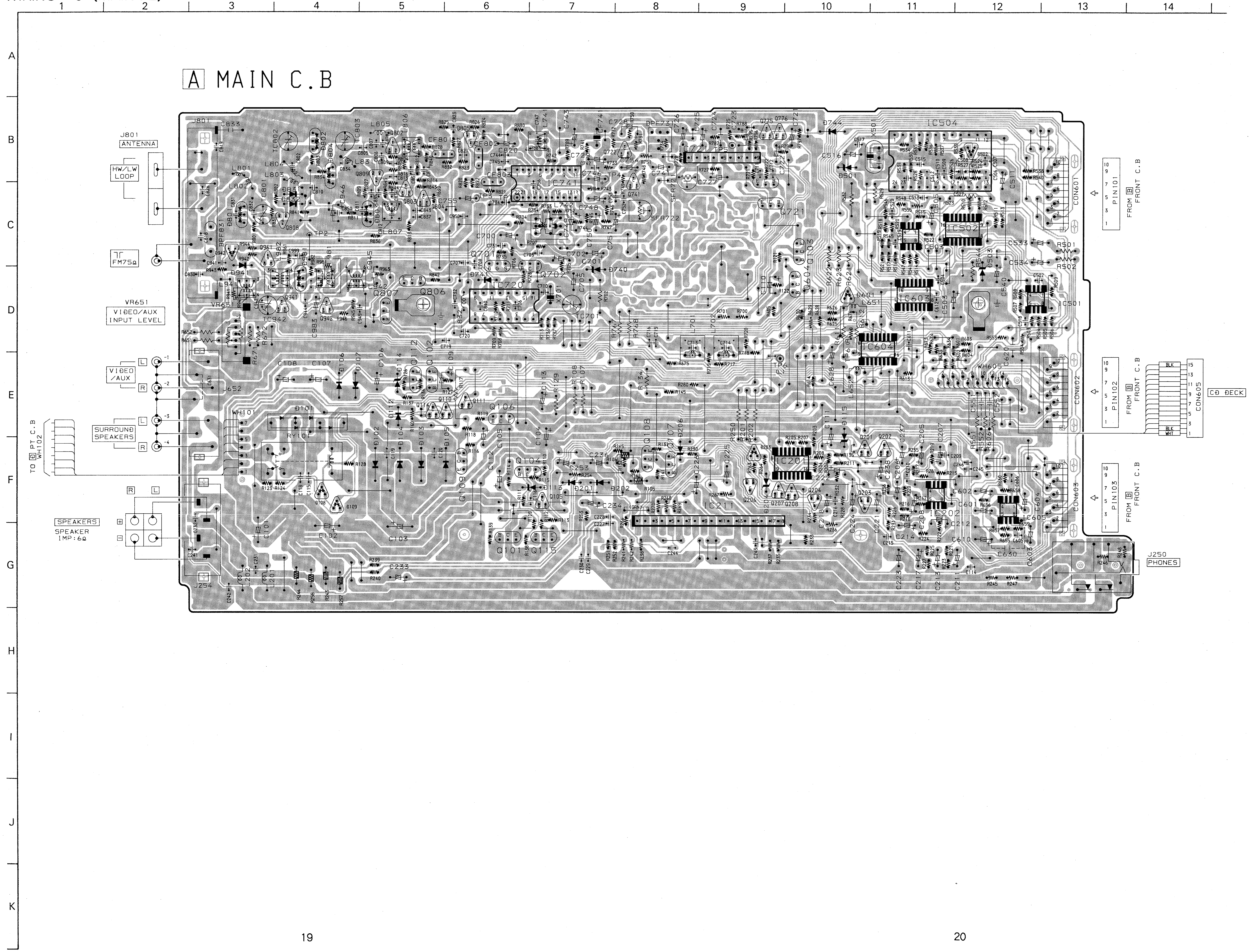


1 2 3 4 5 6 7 8 9 10 11 12 13 14
A B C D E F G H I J K
A MAIN C.B
J801
ANTENNA
FM75Ω
FM75Ω
(COAXIAL)
J902
MW/LW
LOOP
VR651
VIDEO/AUX
INPUT LEVEL
VIDEO
/AUX
L
R
SURROUND
SPEAKERS
L
R
TO D PT C.B
WH102
SPEAKERS
SPEAKER
IMP:6Ω
J254
J652
VR651
RY101
IC720
IC741
IC504
IC502
IC501
IC603
IC604
IC201
IC202
IC211
IC605
CON601
PIN101
FROM B
FRONT C.B
CON602
PIN102
FROM B
FRONT C.B
CON605
CD DECK
BLK
WHT
CON603
PIN103
FROM B
FRONT C.B
J250
PHONES

SCHEMATIC DIAGRAM - 3 (MAIN : Z)


FM L·P·F
FM IF
FM MIX
TC801, TC802, L802, L804
FM TRACKING ADJ.
ANTENNA
1F FM 75Ω
MW/LW LOOP
VIDEO/AUX
Q701, 702 PLL LPF
TC701 CLOCK FREQ. ADJ.
IC720 BU2611 PLL SYNTH.
Q721 VCO SW
IC721 TA7343AP
FM MPX
BPF731
ANTI BIRDIE
DC BALANCE/MONO DISTORTION ADJ.
IC741 FM/MW/LW FRONT END IF/DET
IC741 LA1265S
COIL QUAD
FM OSC
FM TV ADJ.
OSC AMP
FM BUFFER
FM RF SW BAND
L942 OSC LW
L981 OSC MW
L982 ANT MW
L941 ANT LW
MW/LW BAND SW
Q741 2SC2712 (GR) MW AF AMP
LIGHT ON TUNING LED ADJ.
MW IF ADJ.
MW VT CHECK
AM PACK 4
L982
L941, TC942
MW TRACKING CHECK
LW TRACKING ADJ.
SFR722
SFR722 33K
Q775, 776 BUFFER AMP
Q103 2SC3266GR TUNER +B SW
Q604 2SC1815 (GR) TUNER +B SW
VR651 50KBX2
VIDEO/AUX INPUT LEVEL
CON601
TO B FRONT C.B PIN101
TM-BASE
TUNE/ST
PLL-CE
DATA (M)
CLK (M)
STB (M)
HOLD
FIL-1
FIL-2
-VFL
CON602
TO B FRONT C.B PIN102
+VM
G (D)
SO
SI
REQ
SCK
DSP-REQ
POWER
MUTE
+VCC
CON603
TO B FRONT C.B PIN103
FUNC-OUT-L
FUNC-OUT-R
G (A)
REC OUT-L
REC OUT-R
G (A)
DSP OUT-L
DSP OUT-R
VOL OUT R
VOL OUT L
IC501 (2/2) NJM4558M
DSP ON/OFF
MODE
EQ AMP
IC502 MC14053BF
IC503 NJM4558M
IC501 (1/2) AMP L-R
IC604 FUNCTION SELECTOR
IC604 TC4052BF
IC605 NJM4558M
BUFFER AMP
IC504 DIGITAL DELAY
IC504 M65830P
LPF1
COMP
OP1
MOD
DEM
OP2
1/2VCC
AUTO RST
RAM
OSCILLATOR
DELAY TIME CONTROL
X501 CST1.8M
CONTROL DATA SHIFT-REGISTER
IC603 TC4094BF
STB1
DATA
CLK
H:11V L:0.3V
IC201 T-BASS SELECT
IC201 TC4052BF
T BASS ON
T BASS B
T BASS A
MUTE
MUSE FX
LOW. BOOST AMP
Q203, 204 MUTE SW
Q207, 208 T-BASS SW
IC211 STK4142-2 AF POWER AMP
J250 PHONES
PIN 2P
J652-3
SURROUND SPEAKERS
J652-4
J253
SPEAKER
SPEAKER IMP: 6Ω
J254
CON605
J652-1
J652-2
TO CD DECK
CD-L
G (A)
CD-R
G (A)
PB IN-R
PB IN-L
REC OUT-L
REC OUT-R
G (A)
G (D)
SO
SI
REQ
SCK
VM
AUX L/R
CD L/R
PB L/R
RESET: L 0V NORM: H 4.6V
AC OFF
Q107, 108 OVER LOAD DETECT
D101 D3SBA20
REG.
Q110 2SC2712 (GR) AC DETECT
Q112 2SA1318TU
HOLD
Q114 2SA1162 (GR) AC DETECT
CONST. VOLT. REG
RY DRIVER Q109 2SA1318TU
D-POWER
POWER ON: 11.9V OFF: 0V
WH101
W101
WH102
P.T101
LIVE
NEUTRAL
AC 230V 50Hz
FIL-1
FIL-2
R100 1/2W 0.47
R101 1/2W 0.47
D PT C.B
SIGNAL MARK
:FM/PB
:MW/REC
:LW
A MAIN C.B

WIRING – 3 (MAIN : Z)



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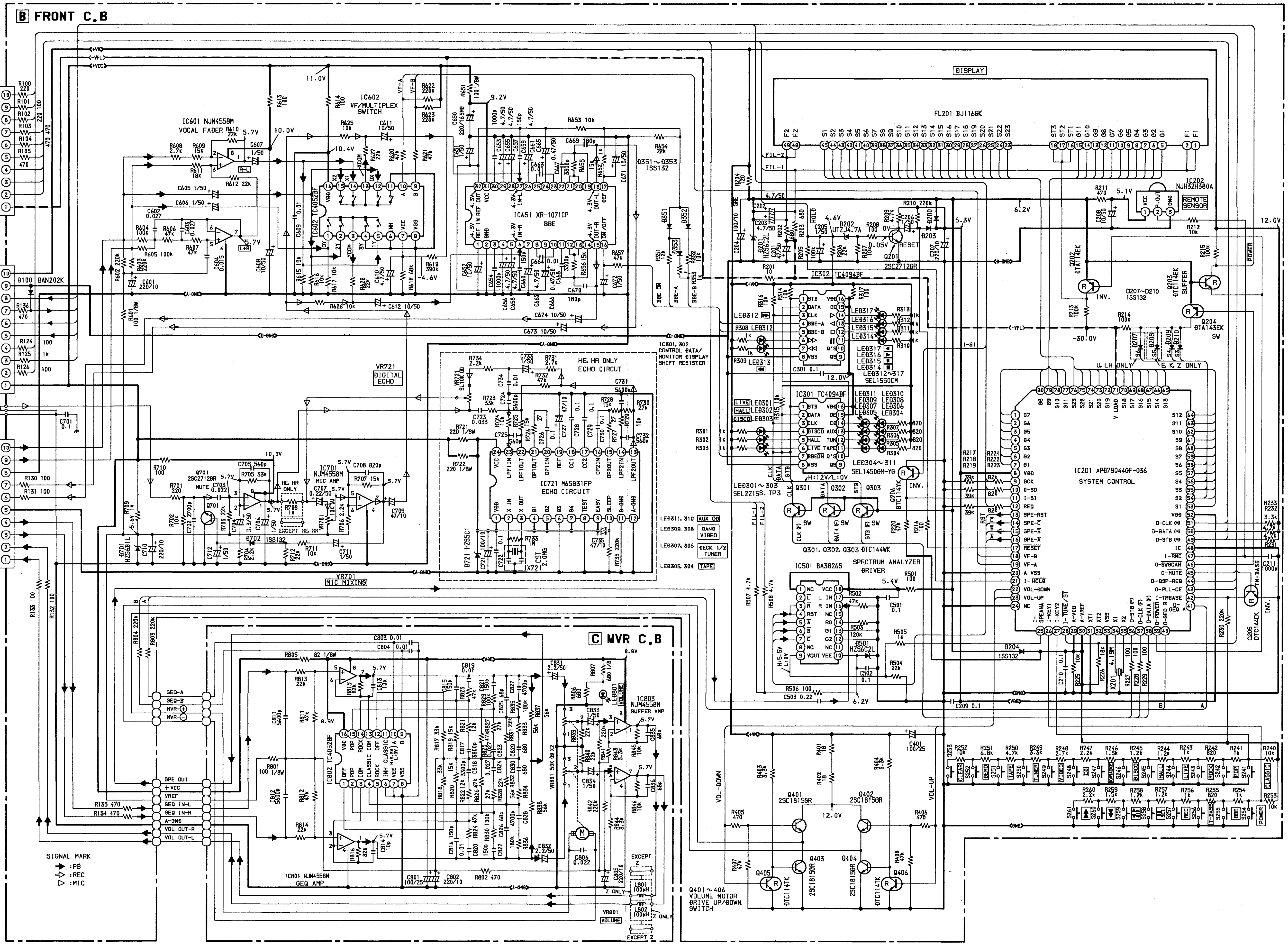
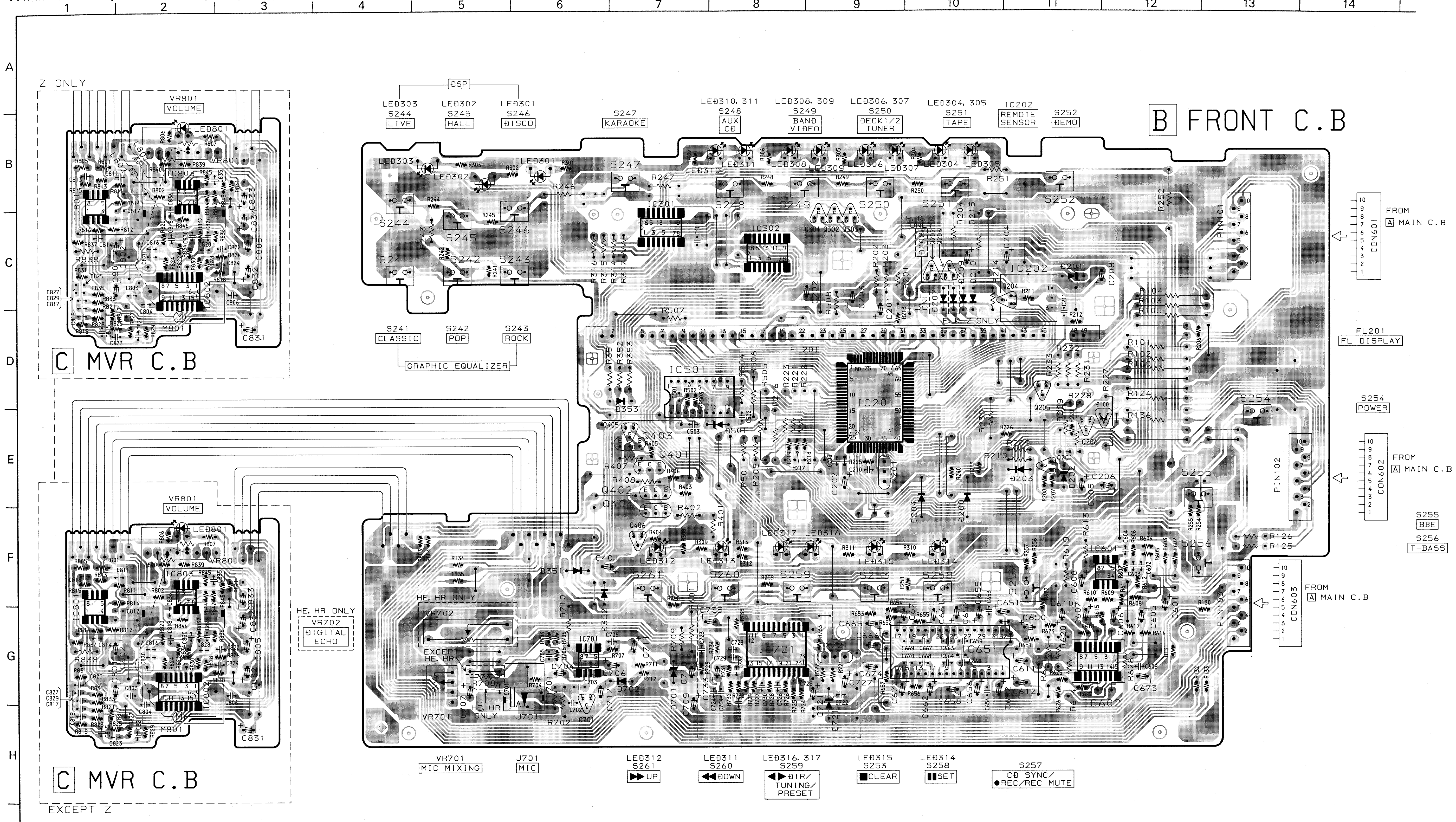
J
K
A MAIN C.B
J801
ANTENNA
HW/LW
LOOP
FM75Ω
VR651
VIDEO/AUX
INPUT LEVEL
VIDEO
/AUX
L
R
SURROUND
SPEAKERS
TO D PT C.B
WH102
SPEAKERS
SPEAKER
IMP:6Ω
+
−
J652
J254
WH101
RY101
IC504
IC502
IC501
IC503
IC603
IC604
IC605
IC201
IC202
IC211
IC741
IC720
IC701
IC801
IC802
IC942
CON601
PIN101
FROM B FRONT C.B
CON602
PIN102
FROM B FRONT C.B
CON605
CD DECK
BLK
WHT
CON603
PIN103
FROM B FRONT C.B
J250
PHONES

SCHEMATIC DIAGRAM – 4 (FRONT : HE, LH, HR, E, K, Z)



B FRONT C.B
C MVR C.B
PIN101
TM-BASE
TUNE/ST
PLL-CE
DATA (M)
CLK (M)
STB (M)
HOLD
FIL-1
FIL-2
-VFL (-30V)
PIN102
+VM (+12V)
D-GND
O-SO
I-SI
REQ
SCK
DSP-REQ
POWER
MUTE
+VCC (+11V)
J701
MIC
PIN103
FUN OUT-L
FUN OUT-R
A-GND
REC OUT-L
REC OUT-R
A-GND
DSP OUT-L
DSP OUT-R
VOL OUT-R
VOL OUT-L
IC601 NJM4558M
VOCAL FADER
IC602 TC4052BF
VF/MULTIPLEX SWITCH
IC651 XR-1071CP
BBE
D351~D353
1SS132
DISPLAY
FL201 BJ116GK
IC202 NJH32H380A
REMOTE SENSOR
IC302 TC4094BF
IC301, 302 CONTROL DATA/MONITOR DISPLAY SHIFT RESISTER
IC301 TC4094BF
LED312~317 SEL1550CM
LED304~311 SEL1450GM-YG
LED301~303 SEL2215S, TP3
Q301, Q302, Q303 DTC144WK
IC501 BA3826S
SPECTRUM ANALYZER DRIVER
IC201 μPD78044GF-036
SYSTEM CONTROL
Q201 2SC2712OR
Q202 DTA114EK
Q203 DTC114EK BUFFER
Q204 DTA143EK SW
Q205 DTC144EK INV.
D207~D210 1SS132
U, LH ONLY
E, K, Z ONLY
VR721 DIGITAL ECHO
HE, HR ONLY ECHO CIRCUIT
IC721 M65831FP
ECHO CIRCUIT
X721 CST 2.0MG
D721 HZ5C1
IC701 NJM4558M
MIC AMP
Q701 2SC2712OR
MUTE
HE, HR ONLY
EXCEPT HE, HR
VR701 MIC MIXING
D701 HZS6B1L
D702 1SS132
D100 DAN202K
IC801 NJM4558M
GEQ AMP
IC802 TC4052BF
IC803 NJM4558M
BUFFER AMP
VR801 VOLUME
LED801 VOLUME
EXCEPT Z
Z ONLY
GEQ-A
GEQ-B
MVR-⊕
MVR-⊖
SPE OUT
+VCC
VREF
GEQ IN-L
GEQ IN-R
A-GND
VOL OUT-R
VOL OUT-L
Q401 2SC1815GR
Q402 2SC1815GR
Q403 2SC1815GR
Q404 2SC1815GR
Q405 DTC114TK
Q406 DTC114TK
Q401~406 VOLUME MOTOR DRIVE UP/DOWN SWITCH
VOL-DOWN
VOL-UP
CLEAR
DEMO
TAPE
TUNER
VIDEO
CD
KARAOKE
DISCO
HALL
LIVE
ROCK
POP
CLASSIC
POWER
T-BASS
BBE
REC
SIGNAL MARK
:PB
:REC
:MIC

WIRING – 4 (FRONT : HE, LH, HR, E, K, Z)



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A
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E
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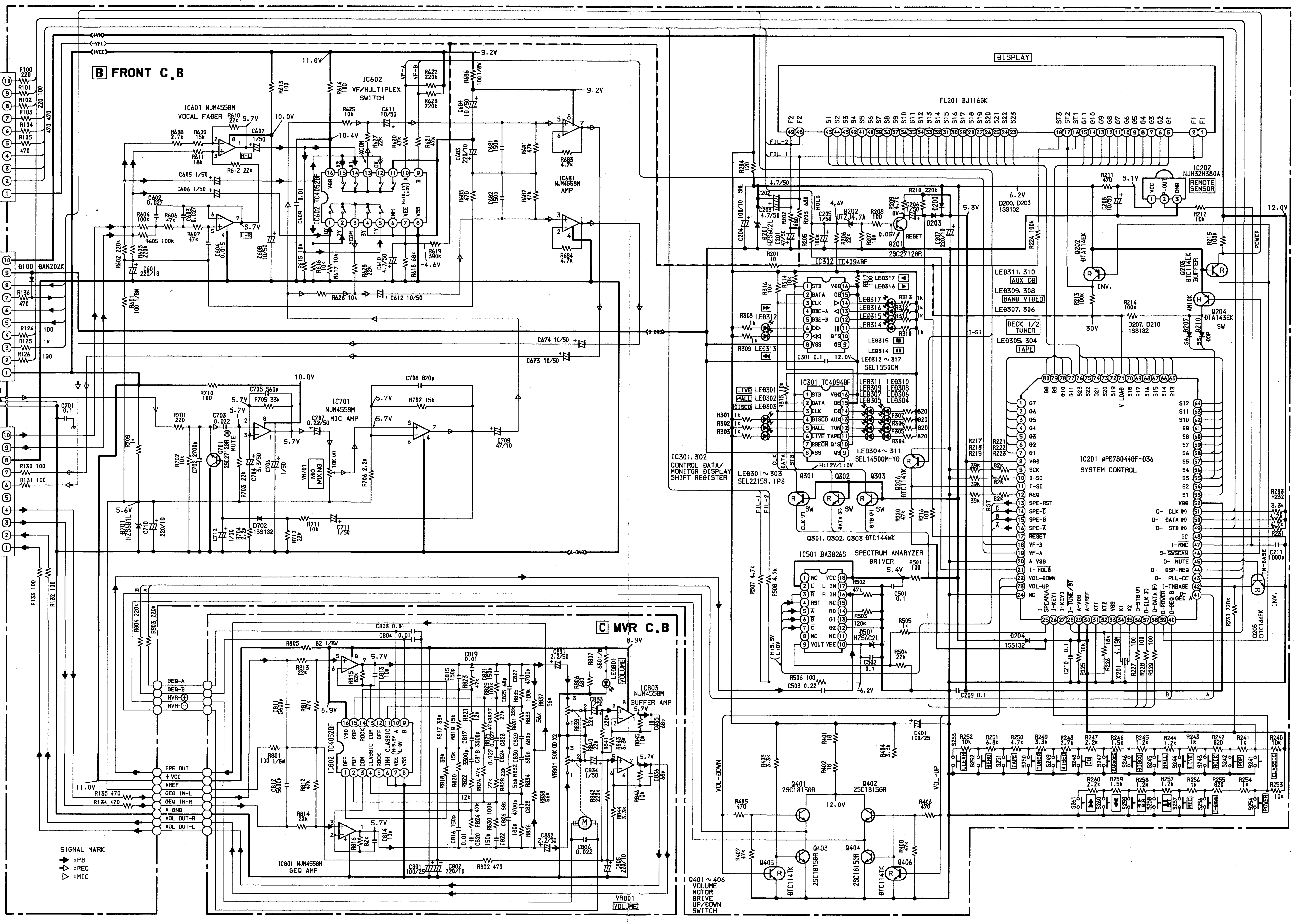
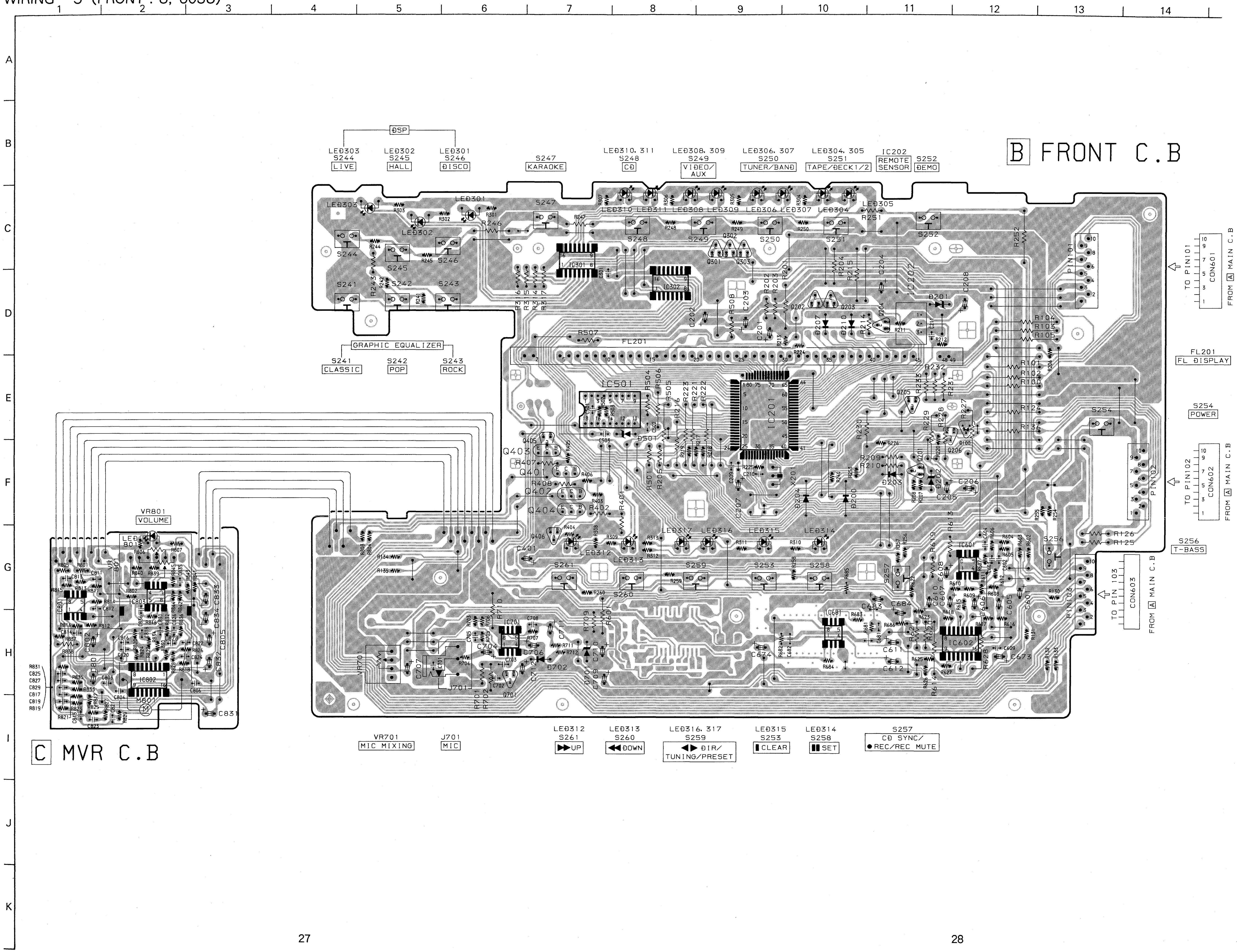
G
H
Z ONLY
VR801
VOLUME
C MVR C.B
DSP
LED303
S244
LIVE
LED302
S245
HALL
LED301
S246
DISCO
S247
KARAOKE
LED310, 311
S248
AUX
CD
LED308, 309
S249
BAND
VIDEO
LED306, 307
S250
DECK1/2
TUNER
LED304, 305
S251
TAPE
IC202
REMOTE
SENSOR
S252
DEMO
B FRONT C.B
FROM
A MAIN C.B
CON601
PIN101
S241
CLASSIC
S242
POP
S243
ROCK
GRAPHIC EQUALIZER
FL201
FL DISPLAY
IC201
IC501
IC301
IC302
E, K, Z ONLY
S254
POWER
FROM
A MAIN C.B
CON602
PIN102
S255
BBE
S256
T-BASS
FROM
A MAIN C.B
CON603
PIN103
IC601
IC602
IC651
IC701
IC721
HE, HR ONLY
VR702
DIGITAL
ECHO
EXCEPT HE, HR
HE, HR ONLY
VR701
J701
C MVR C.B
EXCEPT Z
VR701
MIC MIXING
J701
MIC
LED312
S261
▶▶UP
LED311
S260
◀◀DOWN
LED316, 317
S259
◀▶DIR/
TUNING/
PRESET
LED315
S253
■CLEAR
LED314
S258
▮▮SET
S257
CD SYNC/
●REC/REC MUTE

SCHEMATIC DIAGRAM – 5 (FRONT : U, 603U)


B FRONT C.B
C MVR C.B
DISPLAY
FL201 BJ1160K
IC601 NJM4558M VOCAL FADER
IC602 VF/MULTIPLEX SWITCH
IC681 NJM4558M AMP
IC701 NJM4558M MIC AMP
IC202 NJH32H380A REMOTE SENSOR
IC302 TC4094BF
IC301 TC4094BF
IC301, 302 CONTROL DATA/ MONITOR DISPLAY SHIFT REGISTER
IC201 μPD780440F-036 SYSTEM CONTROL
IC501 BA3826S SPECTRUM ANARYZER DRIVER
IC802 TC4052BF
IC801 NJM4558M GEQ AMP
IC803 NJM4558M BUFFER AMP
Q401～406 VOLUME MOTOR DRIVE UP/DOWN SWITCH
Q301, Q302, Q303 DTC144WK
VR801 VOLUME
PIN101
PIN102
PIN103
J701 MIC
SIGNAL MARK
:PB
:REC
:MIC

WIRING – 5 (FRONT : U, 603U)


1
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7
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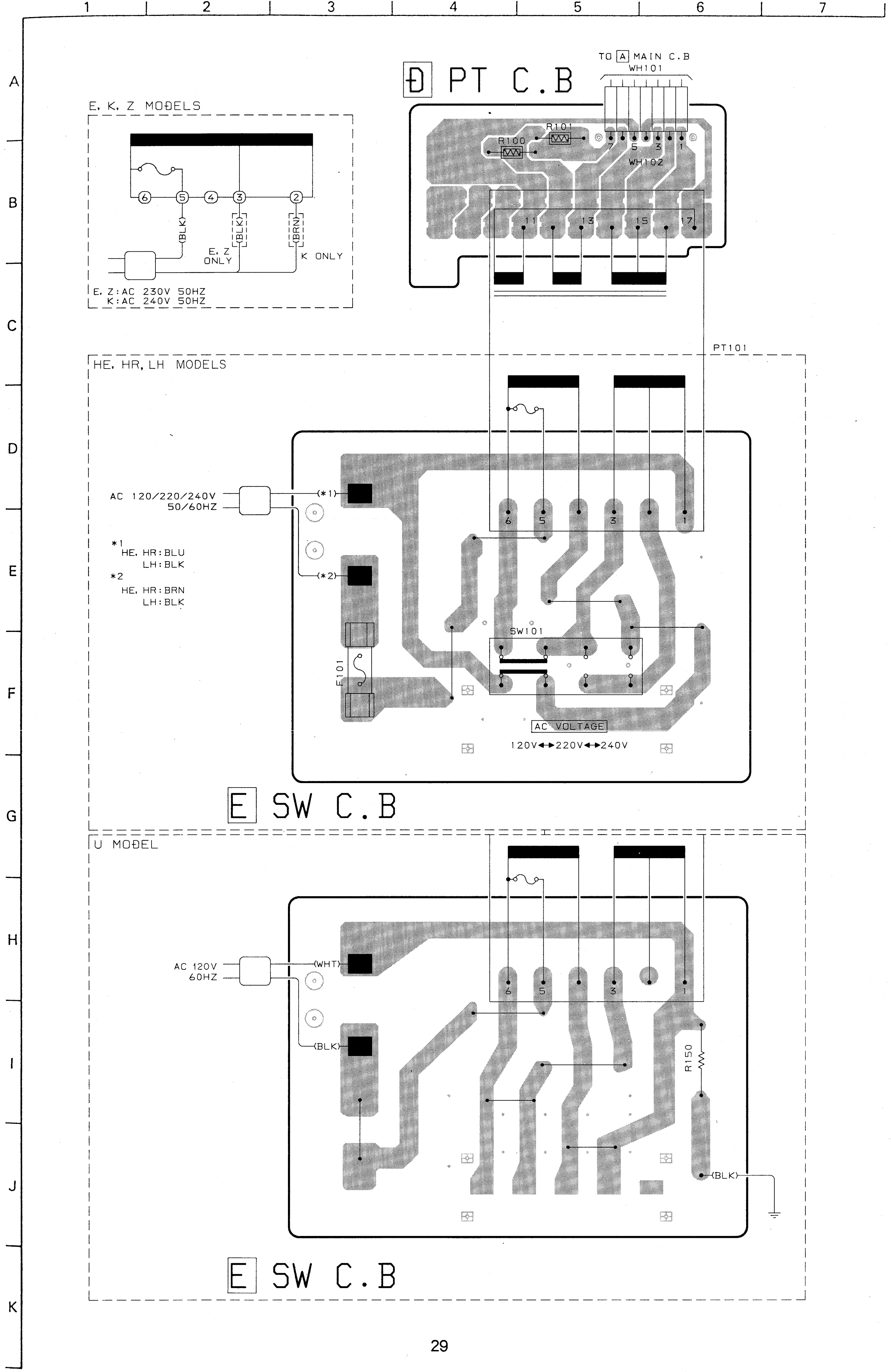
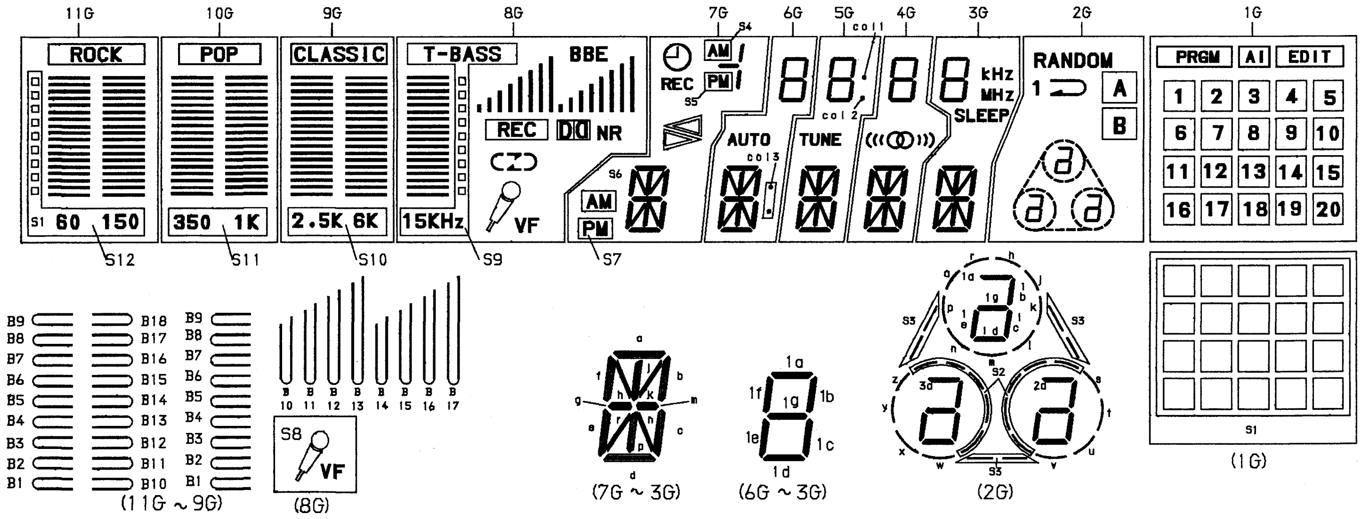
9
10
11
12
13
14
A
B
C
D
E
F
G
H
I
J
K
B FRONT C.B
DSP
LED303 S244 LIVE
LED302 S245 HALL
LED301 S246 DISCO
S247 KARAOKE
LED310, 311 S248 CD
LED308, 309 S249 VIDEO/AUX
LED306, 307 S250 TUNER/BAND
LED304, 305 S251 TAPE/DECK1/2
IC202 REMOTE SENSOR
S252 DEMO
GRAPHIC EQUALIZER
S241 CLASSIC
S242 POP
S243 ROCK
TO PIN101 CON601 FROM A MAIN C.B
FL201 FL DISPLAY
S254 POWER
TO PIN102 CON602 FROM A MAIN C.B
S256 T-BASS
TO PIN 103 CON603 FROM A MAIN C.B
IC501
IC201
IC301
IC302
IC202
IC601
IC602
IC681
IC701
VR801 VOLUME
C MVR C.B
IC801
IC802
IC803
M801
VR701 MIC MIXING
J701 MIC
LED312 S261 ▶▶UP
LED313 S260 ◀◀DOWN
LED316, 317 S259 ◀▶ DIR/TUNING/PRESET
LED315 S253 ■CLEAR
LED314 S258 ▮▮SET
S257 CD SYNC/ ●REC/REC MUTE

WIRING – 6 (POWER)


1
2
3
4
5
6
7
A
B
C
D
E
F
G
H
I
J
K
D PT C.B
TO A MAIN C.B
WH101
R100
R101
WH102
11
13
15
17
E, K, Z MODELS
(BLK)
(BLK)
(BRN)
E, Z ONLY
K ONLY
E, Z:AC 230V 50HZ
K:AC 240V 50HZ
PT101
HE, HR, LH MODELS
AC 120/220/240V 50/60HZ
(*1)
(*2)
*1 HE, HR:BLU
LH:BLK
*2 HE, HR:BRN
LH:BLK
SW101
F101
AC VOLTAGE
120V↔220V↔240V
E SW C.B
U MODEL
AC 120V 60HZ
(WHT)
(BLK)
R150
(BLK)
E SW C.B

FL (BJ116GK) GRID ASSIGNMENT/ANODE CONNECTION

GRID ASSIGNMENT


11G
10G
9G
8G
7G
6G
5G
4G
3G
2G
1G
ROCK
POP
CLASSIC
T-BASS
BBE
S1 60 150
350 1K
2.5K 6K
15KHz
REC
NR
VF
AM
FM
REC
AUTO
TUNE
col 1
col 2
col 3
kHz
MHz
SLEEP
RANDOM
1
A
B
PRGM
AI
EDIT
1 2 3 4 5
6 7 8 9 10
11 12 13 14 15
16 17 18 19 20
S12
S11
S10
S9
S7
B1–B18
(11G ~ 9G)
S8
VF
(8G)
(7G ~ 3G)
(6G ~ 3G)
(2G)
S1
(1G)

ANODE CONNECTION

	11G	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G
S1	B10	B10	B10	(	d	d	d	d	d	s, t, w, x	20
S2S	B1	B1	B1	B1	j, p	j, p	j, p	j, p	j, p	u, v, y, z	19
S3	B11	B11	B11	S8	n	n	n	n	n	3e	18
S4	B2	B2	B2	B2	r	r	r	r	r	3c	17
S5	B12	B12	B12	)	c	c	c	c	c	3a, 3d, 3g	16
S6	B3	B3	B3	B3	e	e	e	e	e	3b	15
S7	B13	B13	B13	○	m	m	m	m	m	2e	14
S8	B4	B4	B4	B4	q	q	q	q	q	2c	13
S9	B5	B5	B5	B5	f	f	f	f	f	2a, 2d, 2g	11
S10	B15	B15	B15	DD NR	b	b	b	b	b	S3	10
S11	B6	B6	B6	B6	k	k	k	k	k	j, m, q	9
S12	B16	B16	B16	B10	h	h	h	h	h	h, l, p	8
S13	B7	B7	B7	B7	a	a	a	a	a	k, n, r	7
S14	B14	B14	B14	REC	S7	col 3	col 1	——	kHz	2b	12
S15	B17	B17	B17	B11	S6	AUTO	TUNE	((ꝏ))	SLEEP	1e	6
S16	B8	B8	B8	B8	▷	——	col 2	——	MHz	1a, 1d, 1q	5
S17	B18	B18	B18	B12	◁	1d	1d	1d	1d	1c	4
S18	B9	B9	B9	B9	REC	1e	1e	1e	1e	1b	3
S19	▭	▭	▭	13B	S5	1c	1c	1c	1c	B	2
S20	——	——	——	B14	——	1q	1q	1q	1q	1	1
S21	——	——	——	B15	/	1f	1f	1f	1f	⊿⊃	EDIT
S22	——	——	——	B16	◷	1b	1b	1b	1b	A	AI
S23	——	——	——	B17	S4	1a	1a	1a	1a	RANDOM	PRGM
ST1	S12	S11	S10	S9 ⊿	——	——	——	——	——	S2	S1
ST2	ROCK	POP	CLASSIC	——	——	——	——	——	——	——	——
ST3	——	——	——	BBE	——	——	——	——	——	——	——

IC DESCRIPTION

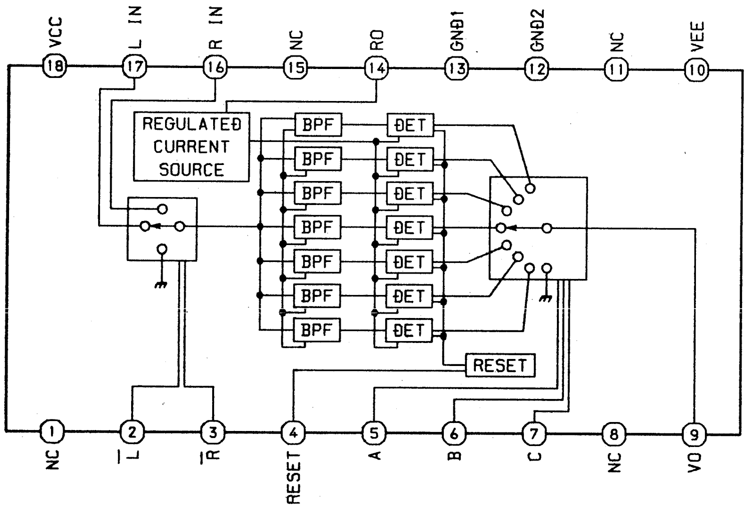
IC, µPD78044GF－036

Pin No.	Pin Name	I／O	Description
1～7	G7～G1	O	Outputs to FL display grids
8	VDD	—	Power supply
9	SCK	O	Serial clock output to FD microprocessor (communication line with FD IC)
10	O-SO	O	Serial data output to FD microprocessor (communication line with FD IC)
11	I-SI	I	Serial data input from FD microprocessor (communication line with FD IC)
12	REQ	O	Data request signal output to FD microprocessor (communication line with FD IC)
13	SPE-RST	O	Reset signal output to IC501 BA3826S (Driver for spectrum analyzer display)
14～16	SPE・$\overline{\text{C}}$～SPE・$\overline{\text{A}}$	O	Control signal output for selecting output frequency of IC501 BA3826S
17	$\overline{\text{RESET}}$	I	Reset input
18	VF-B	O	Vocal fader/audio multiplex select signal output
19	VF-A		
20	A VSS	—	GND
21	I-$\overline{\text{HOLD}}$	I	When AC power is stopped, this input goes "L" and microprocessor enters HOLD mode. (Clock is stopped, memory saved.)
22	VOL-DOWN	O	Signal output controlling motor up/down of main VOL (VR801)
23	VOL-UP		
24	NC	—	GND
25	I-SPEANA	I	Analog input (A/D input) for spectrum analyzer display
26	I-KEY1	I	Key data input (A/D input)
27	I-KEY2		
28	I-$\overline{\text{TUNE}}$/$\overline{\text{ST}}$	I	Signal input (A/D input) during tuner reception and stereo reception
29	A-VDD	—	Analog power supply for A/D input
30	A-VREF	I	Reference voltage input for A/D input
31	XT1	I	GND
32	XT2	—	OPEN
33	VSS	—	GND
34	X1	I	Connecting 4.19MHz system clock oscillator
35	X2	—	
36	O-STB (F)	O	Strobe signal output of shift register IC301/302 (4094) in front C.B
37	O-CLK (F)	O	Serial clock output of shift register IC301/302 (4094) in front C.B
38	O-DATA (F)	O	Serial data output of shift register IC301/302 (4094) in front C.B
39	O-$\overline{\text{POWER}}$	O	Power ON/OFF control
40	O-GEQ B	O	GEQ selection signal output of IC802 (4052)
41	O-GEQ A	O	GEQ selection signal output of IC802 (4052)
42	I-TMBASE	I	Time base (8Hz) input for clock
43	O-PLL CE	O	Chip enable output of tuner PLL IC720 (BU2611)
44	O-DSP-REQ	O	Data request signal output of DSP IC504 (M6830P)
45	O-$\overline{\text{MUTE}}$	O	Muting signal output
46	O-$\overline{\text{SWSCAN}}$	O	Diode selection scan signal output (D205 - D211)
47	I-$\overline{\text{RMC}}$	I	Remote control signal input

Pin No.	Pin Name	I/O	Description
48	IC	—	GND
49	O-STB (M)	O	Strobe signal of shift register IC603 (4094) in main C.B.
50	O-DATA (M)	O	Serial data output of shift register IC603 (4094), PLL IC720 (BU2611) and DSP IC504 (M65830P) in main C.B.
51	O-CLK (M)	O	Serial clock output of shift register IC603 (4094), PLL IC720 (BU2611) and DSP IC504 (M65830P) in main C.B.
52	VDD	—	Power supply
53~70	S1~S18	O	Outputs to FL display segments
71	V LOAD	—	Negative (-30.0V) power supply for FL display
72~76	S19~S23	O	Outputs to FL display segments
77~80	G11~G8	O	Output to FL display grids

IC BLOCK DIAGRAM

IC,BA3826S


VCC
L IN
R IN
NC
RO
GND1
GND2
NC
VEE
18
17
16
15
14
13
12
11
10
REGULATED CURRENT SOURCE
BPF
DET
RESET
1
2
3
4
5
6
7
8
9
NC
IL
IR
RESET
A
B
C
NC
VO

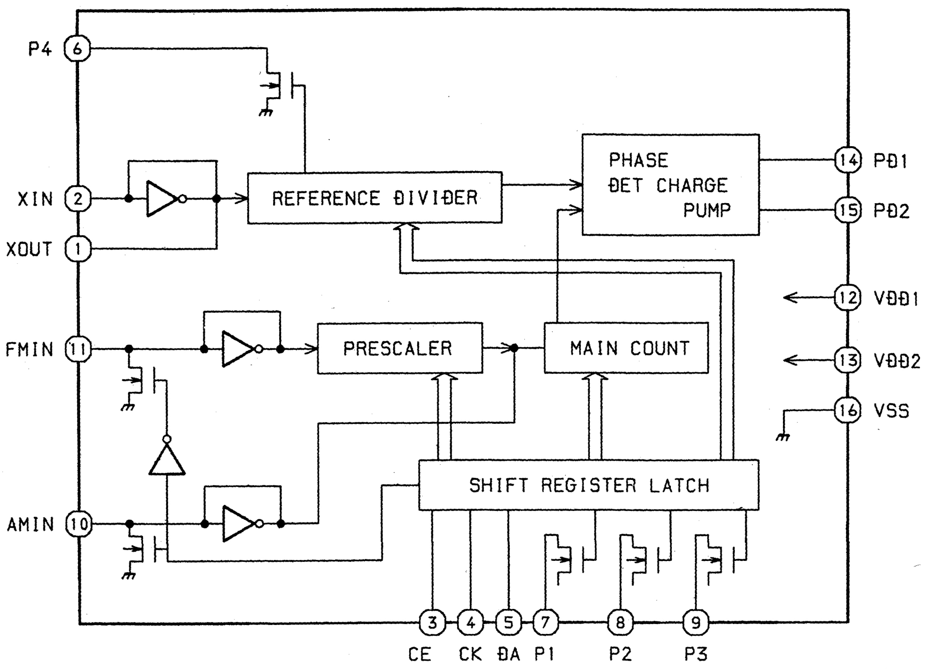
INPUT SELECTOR LOGIC TABLE

SELECTOR		INPUT
L(2PIN)	R(3PIN)	
L	L	UNDETERMINED
L	H	L IN
H	L	R IN
H	H	OFF

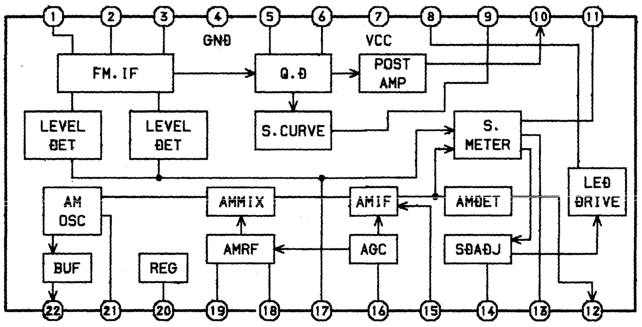
OUTPUT SELECTOR LOGIC TABLE

SELECT			OUTPUT
A(5PIN)	B(6PIN)	C(7PIN)	VO(9PIN)
H	H	H	0
L	H	H	F01
H	L	H	F02
L	L	H	F03
H	H	L	F04
L	H	L	F05
H	L	L	F06
L	L	L	F07

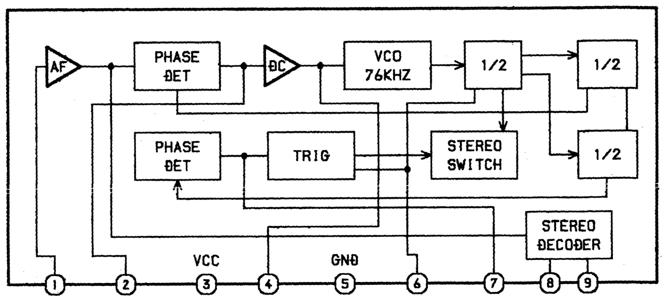
IC,BU2611


P4 6
XIN 2
XOUT 1
FMIN 11
AMIN 10
REFERENCE DIVIDER
PHASE DET CHARGE PUMP
PRESCALER
MAIN COUNT
SHIFT REGISTER LATCH
14 PD1
15 PD2
12 VDD1
13 VDD2
16 VSS
3 CE
4 CK
5 DA
7 P1
8 P2
9 P3

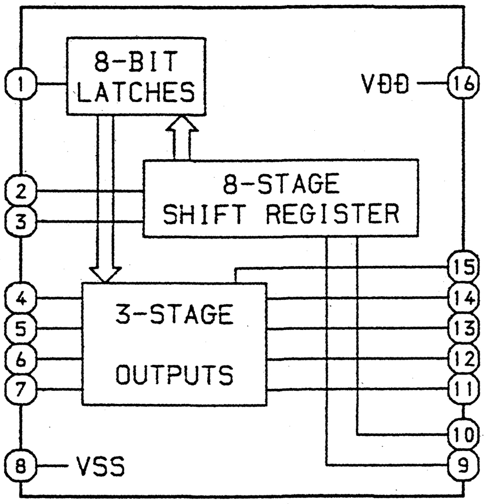
IC,LA1265S


1
2
3
4 GND
5
6
7 VCC
8
9
10
11
FM.IF
Q.D
POST AMP
LEVEL DET
LEVEL DET
S.CURVE
S. METER
AM OSC
AMMIX
AMIF
AMDET
LED DRIVE
BUF
REG
AMRF
AGC
SDADJ
22
21
20
19
18
17
16
15
14
13
12

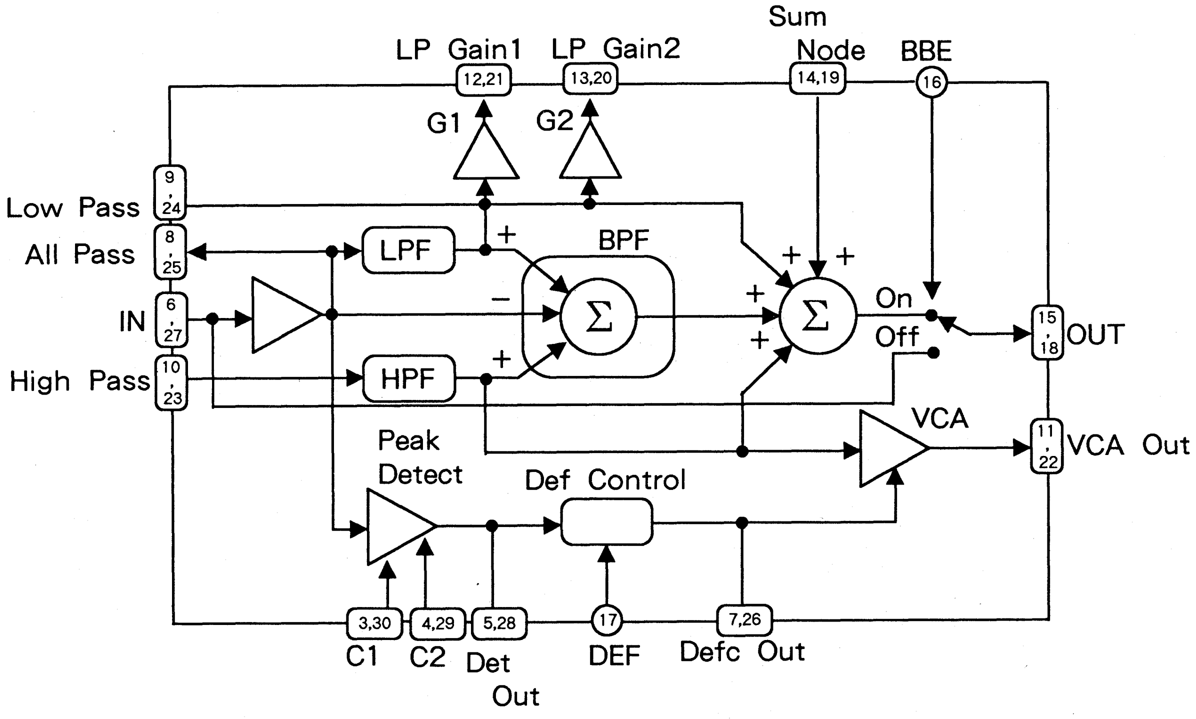
IC,TA7343AP


AF
PHASE DET
DC
VCO 76KHZ
1/2
1/2
1/2
PHASE DET
TRIG
STEREO SWITCH
STEREO DECODER
VCC
GND
1
2
3
4
5
6
7
8
9

IC,TC4094BF

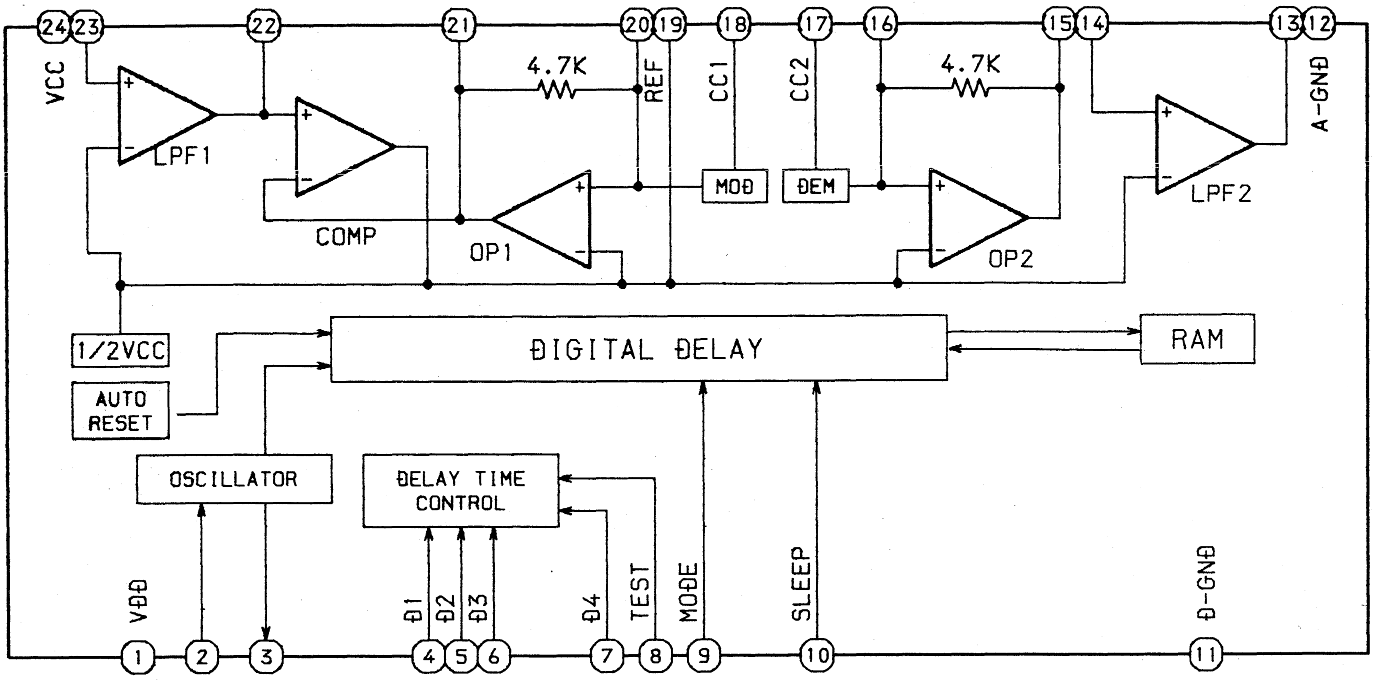

8-BIT LATCHES
8-STAGE SHIFT REGISTER
3-STAGE OUTPUTS
VDD 16
1
2
3
4
5
6
7
8 VSS
15
14
13
12
11
10
9

IC,XR – 1071CP



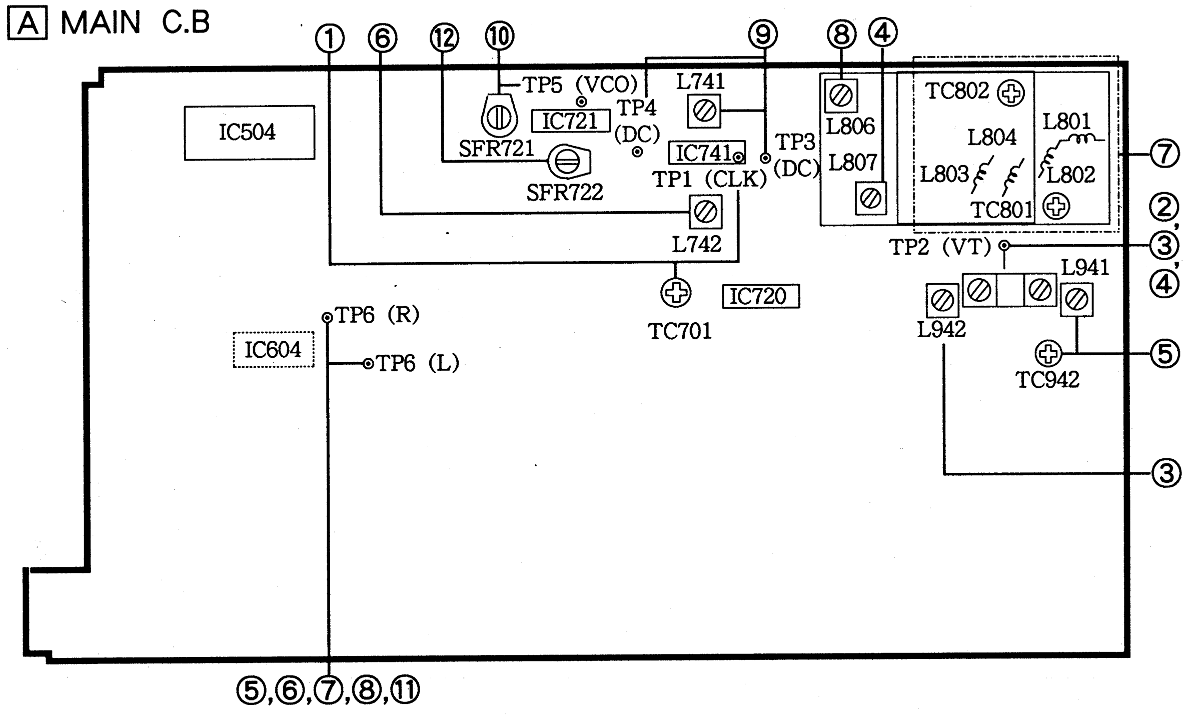
Sum
Node
LP Gain1
LP Gain2
BBE
12,21
13,20
14,19
16
G1
G2
Low Pass
9
,
24
All Pass
8
,
25
IN
6
,
27
High Pass
10
,
23
LPF
HPF
BPF
Σ
Σ
+
−
+
+
+
+
+
On
Off
15
,
18
OUT
VCA
11
,
22
VCA Out
Peak
Detect
Def Control
3,30
4,29
5,28
17
7,26
C1
C2
Det
Out
DEF
Defc Out

IC,M65831



24
23
22
21
20
19
18
17
16
15
14
13
12
VCC
LPF1
COMP
4.7K
REF
CC1
CC2
MOD
DEM
OP1
4.7K
OP2
LPF2
A-GND
1/2VCC
AUTO
RESET
DIGITAL DELAY
RAM
OSCILLATOR
DELAY TIME
CONTROL
VDD
D1
D2
D3
D4
TEST
MODE
SLEEP
D-GND
1
2
3
4
5
6
7
8
9
10
11

ELECTRICAL ADJUSTMENT (TUNER)



〈TUNER SECTION〉

Initialized condition

GEQ VR : OFF
BBE SW : OFF
MIC VR : Minimum
BALANCE : Center
MAIN VR : Variable
DOLBY NR SW : OFF
T – BASS : OFF

1. Clock Adjustment

Settings : • Test point : TP1 (IC741 PIN 22)
• Adjustment location : TC701

Method : Set to MW 1602kHz (HE,HR,E,K,Z) 1710KHz (LH,U) and adjust so that the test point becomes 2052kHz ± 0.01kHz (HE,HR,E,K,Z), 2160kHz ± 0.01kHz (LH,U).

2. MW VT Check

Settings : • Test point : TP2

Method : Set to MW 1602kHZ (HE,HR,E,K,Z) 1710kHz and check so that the test point is 6.0V ± 1.0V (HE,HR,E,K,Z), 7.0 ± 1.0V (LH,U).

3. LW VT Adjustment (E,K,Z ONLY)

Settings : • Test point : TP2
• Adjustment location : L942

Method : Set to LW 144kHz and adjust so that the test point becomes 1.50V ± 0.05V.

4. FM VT Adjustment

Settings : • Test point : TP2
• Adjustment location : L807

Method : Set to FM 87.5MHz and adjust L807 so that the test point becomes 2.90V ± 0.05V.

5. LW Tracking Adjustment (E,K,Z ONLY)

Settings : • Test point : TP6 (IC604 PIN 4,11)

L941 ·· 144kHz
TC942 ······································ 290kHz

Method : Set up TC942 to center befor adjustment. The level of 144kHz is adjusted MAX by L941. Then the level of 290kHz is done by TC941.

6. MW IF Adjustment

Settings : • Test point : TP6 (IC604 PIN 4,11)

L742 ·· 450kHz

7. FM Tracking Adjustment

Settings : • Test point : TP 6 (IC604 PIN 4,11)

TC801,TC802 ···················· 108MHz (Except Z)
TC803 ································· 108MHZ (Z)
L802,L804 ························ 87.5MHz (Except Z)
L831 ································· 87.5MHZ (Z)

8. FM IF Adjustment

Settings : • Test point : TP6 (IC604 PIN 4,11)

L806 ·· 10.7MHz

9. DC Balance Adjustment

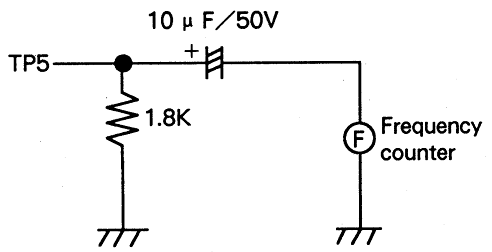
Settings : • Test point : TP3,4 TP6 (Distortion)
• Adjustment location : L741

Method : Set to FM 98.0MHz and sdjust L741 so that the voltage between TP3 and TP4 becomes 0V ± 0.02V.
Next check so that the distotion is less then 0.9%.

10. MPX VCO Adjustment

Settings : • Test point : TP5
• MODE SW : STEREO
• Adjustment location : SFR721

Method : Connect a capacitor and resitor as below.
Set to FM 98.0MHz non modulation and adjust so that the frequency at the test point becomes 38kHz ± 0.05kHz.



11. Separation Check

Settings : • Test point : TP6 (IC604 PIN 4,11)

Method : Set to FM 98.0MHz and check the separation at TP6 is more than 25dB.

12. Light on tunning LED Adjustment

Settings : • Adjustment location : SFR722
• Input level : 16dB

Method : Set to FM 98.0MHz and ajust TUNNING LED to light on by SFR722. After that, LED goes out by 2dB down.

PRACTICAL SERVICE FIGURE (TUNER)

TUNER SECTION

< FM SECTION >

IHF Sensitivity :	2dB ± 6dB (87.5MHz)
	8dB ± 6dB (87.5MHz) (Z model)
(THD 3%)	2dB ± 6dB (98.0MHz)
	7dB ± 6dB (98.0MHz) (Z model)
	2dB ± 6dB (108.0MHz)
	7dB ± 6dB (108.0MHz) (Z model)
S/N 50dB Quieting sensitivity :	
	32dB ± 5dB
	37dB ± 6dB (Z model)
(46dB Z MODEL)	Less than 44dB (87.5/90.0/108.0MHz)
Signal to noise ratio :	(MONO) More than 72dB (98.0MHz)
	(STEREO) More than 64dB
	More than 64dB (Z model)
	(98.0MHz)
Distortion :	(MONO) Less than 0.9% (98.0MHz)
	(STEREO) Less than 1.2% (98.0MHz)
Stereo separation :	More than 25dB (98.0MHz)
Intermediate frequency :	10.7MHz

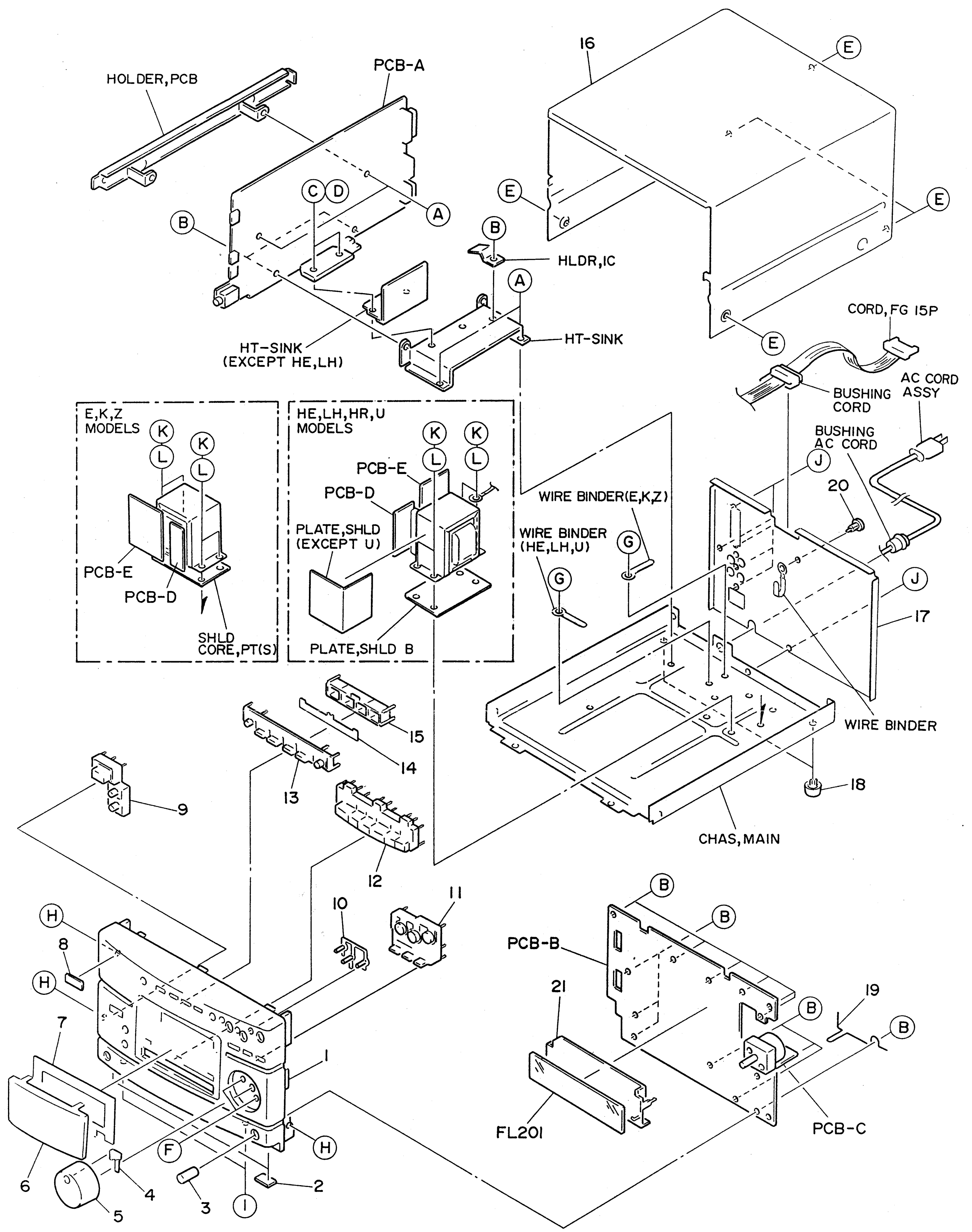
< AM (MW) SECTION >

Sensitivity :	54dB ± 6dB (603kHz)
(S/N 20dB)	53dB ± 6dB (999kHz)
	53dB ± 6dB (1404kHz)
Distortion :	Less than 1.5% (999kHz)
Stereo separation :	More than 12dB (400Hz)
Intermediate frequency :	450kHz

< LW SECTION > (E,K,Z)

Sensitivity :	66dB ± 5dB (144kHz)
(S/N 20dB)	63dB ± 5dB (198kHz)
	62dB ± 5dB (290kHz)
Distortion :	Less than 1.5% (198kHz)
Intermediate frequency :	450kHz

MECHANICAL EXPLODED VIEW 1/1 (RX－N606/N603)


16
E
HOLDER,PCB
PCB-A
C
D
B
A
E
B
HLDR,IC
A
HT-SINK
HT-SINK
(EXCEPT HE,LH)
CORD,FG 15P
BUSHING CORD
AC CORD ASSY
BUSHING AC CORD
J
20
E,K,Z MODELS
K
L
K
L
PCB-E
PCB-D
SHLD CORE,PT(S)
HE,LH,HR,U MODELS
K
K
PCB-E
L
L
PCB-D
PLATE,SHLD (EXCEPT U)
PLATE,SHLD B
WIRE BINDER(E,K,Z)
WIRE BINDER (HE,LH,U)
G
G
J
17
WIRE BINDER
15
14
13
9
18
CHAS,MAIN
12
10
11
H
8
H
7
1
F
H
6
4
5
3
I
2
B
B
PCB-B
21
FL201
B
19
B
PCB-C

MECHANICAL PARTS LIST 1/1 (RX－N606/N603)

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
1	82-NT3-039-010		CAB, FR 603[B]〈603U〉
1	82-NT3-019-010		CAB, FR E GLD[N]〈K, Z, EE〉
1	82-NT3-025-010		CAB, FR EX[B]〈Z, K, EE, E〉
1	82-NT3-014-010		CAB, FR H[B]〈HE, HR〉
1	82-NT3-030-010		CAB, FR LH[B]〈LH〉
1	82-NT3-003-010		CAB, FR U[B]〈U〉
2	80-VT1-202-010		FELT, 12. 5-15. 5-2
3	80-MT3-014-010		KNOB, MIC
4	82-NE6-016-010		IND, MAIN (VOL)
5	82-NF5-012-010		KNOB VOL[B]
5	82-NE8-084-010		KNOB, VOL G[N]
6	82-NT3-011-010		WINDOW, DISPLAY
7	82-NT3-027-010		SH, WINDOW[N]
8	81-DS1-011-010		BADGE, AIWA N
9	82-NT3-037-010		KEY, POWER 603[B]〈603U〉
9	82-NT3-005-010		KEY, POWER[B]〈EXCEPT 603U〉
10	82-NT3-010-010		IND, DSP
11	82-NT3-008-010		KEY, GE
12	82-NT3-007-010		KEY, OPE
13	82-NT3-006-010		KEY, FUN
14	82-NT3-012-010		SH, FUN
15	82-NT3-201-010		GUIDE, FUN
16	82-NT3-047-010		CAB, STEEL E GLD[N]〈Z, EE〉
16	82-NT3-017-010		CAB, STEEL G GLD[N]〈K〉
16	82-NT3-016-010		CAB, STEEL G[B]〈E〉
16	82-NT3-033-010		CAB, STEEL HR[B]〈HR〉
16	82-NT3-004-010		CAB, STEEL[B]〈HE, LH, U, 603U, Z, K, EE〉
17	82-NT3-032-010		PANEL, REAR EBNE[B]〈E〉
17	82-NT3-044-010		PANEL, REAR EBN[B, N]〈EE〉
17	82-NT3-015-010		PANEL, REAR HEJBN[B]〈HE〉
17	82-NT3-020-010		PANEL, REAR HRJBN[B]〈HR〉
17	82-NT3-023-010		PANEL, REAR KBNE[N]〈K〉
17	82-NT3-045-010		PANEL, REAR KBN[B]〈K〉
17	82-NT3-031-010		PANEL, REAR LHJBN[B]〈LH〉
17	82-NT3-040-010		PANEL, REAR UBN 603[B]〈603U〉
17	82-NT3-021-010		PANEL, REAR UBN[B]〈U〉
17	82-NT3-046-010		PANEL, REAR ZBN[B, N]〈Z〉
18	87-085-213-010		FOOT, H12. 5
19	82-NT3-203-010		SPR-T, EARTH
20	87-084-077-010		NYLON RIVET DIA 3. 5 - 4. 5
21	82-NF5-212-010		GUIDE FL
A	87-067-688-010		BVTT +3-6
B	87-067-703-010		BVT2+3-10 (W/O SLOT)
C	87-067-698-010		BVT 2+3-18 [B]〈EXCEPT HE, LH〉
D	87-067-581-010		BVT2+3-15 W/O SLOT [B]〈HE, LH〉
E	87-067-641-010		UTT2+3-8 W/O SLOT BLK
F	87-067-579-010		BVT2+3-8 W/O SLOT
G	87-067-585-010		BVTT +4-6
H	87-591-094-410		QIT + 3 - 6 GOLD
I	87-067-673-010		BVTT +3-8 BLK
J	87-067-761-010		BVT2+3-10 BLK
K	87-067-586-010		BVTT +4-8
L	87-422-308-010		SW4

MODEL NO.

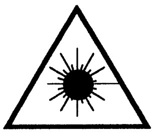
FD-N606

PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

This set employs laser. Therefore, be sure to follow carefully the instructions below when servicing.

WARNING!!

WHEN SERVICING, DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMISSION. BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 30cm FROM THE SURFACE OF THE OBJECTIVE LENS ON THE OPTICAL PICK-UP BLOCK.



- ■ Caution: Invisible laser radiation when open and interlocks defeated avoid exposure to beam.
- ■ Advarsel: Usynlig laserståling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

VAROITUS!

Laiteen Käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyt-täjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

VARNING!

Om apparaten används på annat sätt än vad som specificeras i denna bruksanvising, kan användaren utsättas för osynling laserstrålning, som överskrider gränsen för laserklass 1.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

ATTENTION

L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

ADVARSEL!

Usynlig laserståling ved åbning, når sikkerhedsafbrydereer ude af funktion. Undgå udsættelse for stråling.

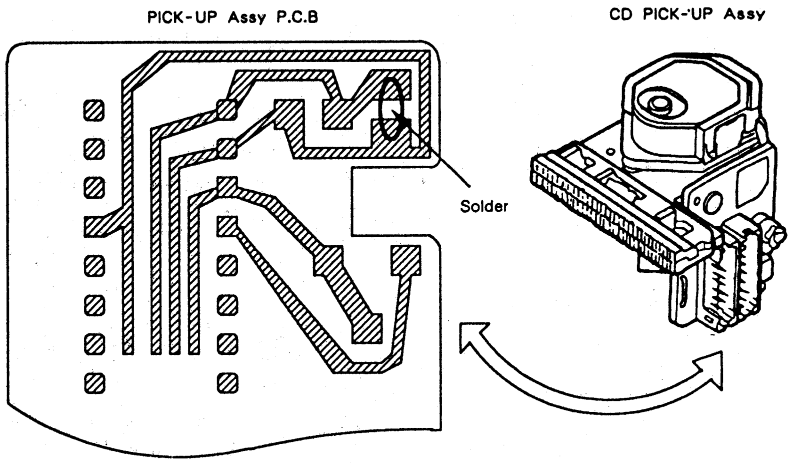
This Compact Disc player is classified as a CLASS 1 LASER product.
The CLASS 1 LASER PRODUCT label is located on the rear exterior.

CLASS 1	LASER PRODUCT
KLASSE 1	LASER PRODUKT
LUOKAN 1	LASER LAITE
KLASS 1	LASER APPARAT

Precaution to replace Optical block (KSS – 210A)

Body or clothes electrostatic potential could ruin laser diode in the optical block. Be sure ground body and workbench, and use care the clothes do not touch the diode.

1) After the connection, remove solder shown in the right figure.



ELECTRICAL MAIN PARTS LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
IC			
	87-020-793-080		IC, CXA-1081M
	87-020-794-110		IC, CXA-1082BQ
	87-001-944-010		IC, CXD-1167Q
	87-017-429-080		IC, TDA1311A(T)
	87-002-639-080		IC, BA6296FP
	87-002-394-019		IC, LB1641
	87-017-194-010		IC, PLT104
	87-020-758-019		IC, NJM2068SD
	87-001-607-089		IC, NJM4558M
	87-001-874-019		IC, HA12134A
	87-002-282-019		IC, BU4066B
	82-NV3-630-010		IC, LC865012A
TRANSISTOR			
	89-109-521-089		TR, 2SA952K
	87-026-233-089		TR, DTA114TK
	87-026-237-089		C-TR, DTC124XK
	89-113-187-889		TR, 2SA1318TU
	89-213-292-089		TR, 2SB1329Q
	89-327-124-089		C-TR, 2SC2712Y
	89-333-317-089		TR, 2SC3331T
	87-026-213-089		C-TR, DTC114YK T147
	87-026-211-089		C-TR, DTA144EK T147
	87-026-210-089		C-TR, DTC144EK T147
	89-503-656-089		TR, FET 2SK365-BL
	89-327-125-089		C-TR, 2SC2712GR
	89-111-625-089		C-TR, 2SA1162GR
	89-318-155-089		TR, 2SC1815GR
	89-332-665-089		TR, 2SC3266GR
	87-026-230-089		C-TR, DTA114YK
DIODE			
	87-002-836-089		DIODE, 1A3-J
	87-020-465-089		DIODE, 1SS133 T-72
	87-002-564-089		DIODE, 1SS133RA
	87-017-091-059		ZENER, HZS5C1 RA
	87-017-163-059		ZENER, HZS9A1L RA
	87-020-125-089		C-DIODE, 1SS181
	87-001-290-089		ZENER, HZS6B1L
	87-017-150-089		ZENER, HZS6A3L
DECK C.B			
C101	87-012-156-089		C-CAP, S 220P CH
C102	87-012-156-089		C-CAP, S 220P CH
C103	87-010-197-089		C-CAP, S 0.01-25 B
C104	87-010-197-089		C-CAP, S 0.01-25 B
C105	87-010-426-089		C-CAP, S 0.012-25 B
C106	87-010-426-089		C-CAP, S 0.012-25 B
C107	87-010-189-089		C-CAP, S 8200P-50 B
C108	87-010-189-089		C-CAP, S 8200P-50 B
C109	87-010-192-089		C-CAP, S 0.022-50 F
C201	87-012-154-089		C-CAP, S 150P-50 CH
C202	87-012-154-089		C-CAP, S 150P-50 CH
C203	87-012-145-089		C-CAP, S 270P-50CH
C204	87-012-145-089		C-CAP, S 270P-50CH
C205	87-010-197-089		C-CAP, S 0.01-25 B
C206	87-010-197-089		C-CAP, S 0.01-25 B
C207	87-010-213-089		C-CAP, S 0.015-25 B
C208	87-010-213-089		C-CAP, S 0.015-25 B
C209	87-010-189-089		C-CAP, S 8200P-50 B
C210	87-010-189-089		C-CAP, S 8200P-50 B
C301	87-012-154-089		C-CAP, S 150P-50 CH
C302	87-012-154-089		C-CAP, S 150P-50 CH
C303	87-010-402-089		CAP, E 2.2-50 SME
C304	87-010-402-089		CAP, E 2.2-50 SME

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
C305	87-010-197-089		C-CAP, S 0.01-25 B
C306	87-010-197-089		C-CAP, S 0.01-25 B
C307	87-010-182-089		C-CAP, S 2200P-50 B
C308	87-010-182-089		C-CAP, S 2200P-50 B
C309	87-010-186-089		C-CAP, S 4700P-50 B
C310	87-010-186-089		C-CAP, S 4700P-50 B
C311	87-010-177-089		C-CAP, S 820P-50 SL
C312	87-010-177-089		C-CAP, S 820P-50 SL
C313	87-010-401-089		CAP, E 1-50 SME
C314	87-010-401-089		CAP, E 1-50 SME
C401	87-012-156-089		C-CAP, S 220P CH
C402	87-012-156-089		C-CAP, S 220P CH
C403	87-010-178-089		C-CAP, S 1000P-50 B
C405	87-010-260-089		CAP, E 47-25 SME
C406	87-010-197-089		C-CAP, S 0.01-25 B
C407	87-010-183-089		C-CAP, S 2700P-50 B
C408	87-010-183-089		C-CAP, S 2700P-50 B
C409	87-010-183-089		C-CAP, S 2700P-50 B
C410	87-010-196-089		C-CAP, S 0.1-25 F
C411	87-010-192-089		C-CAP, S 0.022-50 F
C501	87-012-142-089		C-CAP, S 0.33-16 F
C502	87-012-142-089		C-CAP, S 0.33-16 F
C503	87-010-178-089		C-CAP, S 1000P-50 B
C504	87-010-178-089		C-CAP, S 1000P-50 B
C505	87-010-179-089		C-CAP, S 1200P-50 B
C506	87-010-179-089		C-CAP, S 1200P-50 B
C507	87-010-401-089		CAP, E 1-50 SME
C508	87-010-401-089		CAP, E 1-50 SME
C509	87-010-545-089		CAP, E 0.22-50 SME
C510	87-010-545-089		CAP, E 0.22-50 SME
C511	87-010-371-089		CAP, E 470-6.3
C512	87-018-134-089		CAP, TC-U 0.01-16 Y
C513	87-010-318-089		C-CAP, S 47P-50 CH
C514	87-010-197-089		C-CAP, S 0.01-25 B
C515	87-010-400-089		CAP, E 0.47-50 SME
~~C516~~	~~87-010-405-089~~		~~CAP, E 10-50 SME~~
C519	87-010-401-089		CAP, E 1-50 SME
C520	87-010-401-089		CAP, E 1-50 SME
C521	87-010-197-089		C-CAP, S 0.01-25 B
C522	87-010-184-089		C-CAP, S 3300P-50 B
C601	87-010-235-089		CAP, E 470-16 SME
C602	87-010-381-089		CAP, E 330-16 SME
C603	87-010-101-089		CAP, E 220-16 SME
C604	87-010-980-089		CAP, E 330-16 FS
C605	87-010-263-089		CAP, E 100-10
C606	87-018-134-089		CAP, TC-U 0.01-16 Y
C901	87-010-197-089		C-CAP, S 0.01-25 B
C902	87-010-402-089		CAP, E 2.2-50 SME
C903	87-010-178-089		C-CAP, S 1000P-50 B
C905	87-010-186-089		C-CAP, S 4700P-50 B
C906	87-010-186-089		C-CAP, S 4700P-50 B
EMI601	87-008-474-089		F-BEAD, EMI BL02RN1
EMI602	87-008-474-089		F-BEAD, EMI BL02RN1
EMI603	87-008-474-089		F-BEAD, EMI BL02RN1
L301	87-005-525-089		COIL, 22MH-J
L302	87-005-525-089		COIL, 22MH-J
L303	87-005-580-089		COIL, 10MHJ
L304	87-005-580-089		COIL, 10MHJ
L401	82-NV3-610-019		COIL, OSC BIAS 85K
L402	87-005-126-089		COIL, 1MHJ
SFR101	87-024-168-089		SFR, 1K DIA6 V
SFR102	87-024-168-089		SFR, 1K DIA6 V
SFR201	87-024-168-089		SFR, 1K DIA6 V
SFR202	87-024-168-089		SFR, 1K DIA6 V
SFR301	87-024-171-089		SFR, 4.7K DIA6 V
SFR302	87-024-171-089		SFR, 4.7K DIA6 V
SFR401	87-024-175-089		SFR, 47K DIA6 V
SFR402	87-024-175-089		SFR, 47K DIA6 V
X901	87-030-264-089		CERA LOCK(MU)12.0MHZ

FRONT-1 C.B

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
LED801	87-017-489-080		LED, SEL1450GM-YG TP5
LED802	87-017-489-080		LED, SEL1450GM-YG TP5
LED803	87-017-489-080		LED, SEL1450GM-YG TP5
LED804	87-017-489-080		LED, SEL1450GM-YG TP5
LED805	87-017-489-080		LED, SEL1450GM-YG TP5
LED806	87-017-489-080		LED, SEL1450GM-YG TP5
SW801	87-036-215-089		SW, TACT EVQ21404M
SW802	87-036-215-089		SW, TACT EVQ21404M
SW803	87-036-215-089		SW, TACT EVQ21404M
SW804	87-036-215-089		SW, TACT EVQ21404M
SW805	87-036-215-089		SW, TACT EVQ21404M

FRONT-2 C.B

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
SW806	87-036-215-089		SW, TACT EVQ21404M
SW807	87-036-215-089		SW, TACT EVQ21404M
SW808	87-036-215-089		SW, TACT EVQ21404M
SW809	87-036-215-089		SW, TACT EVQ21404M

DECK-1 C.B

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
PIN901	87-009-350-019		CONN, 7P PH H
SOL1	82-ZM1-618-010		SOL ASSY, 27
SW4	87-036-110-010		SW, PUSH SPPB 62
SW5	87-036-110-010		SW, PUSH SPPB 62
SW6	87-036-110-010		SW, PUSH SPPB 62

DECK-2 C.B

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
M1	87-045-348-010		MOT, SHW 2L 70
PIN902	87-009-353-019		CONN, 10P PH H WHT
SFR1	87-024-170-080		SFR, 3.3K DIA 6V
SOL1	82-ZM1-618-010		SOL ASSY, 27
SW1	87-036-110-010		SW, PUSH SPBB 62
SW2	87-036-110-010		SW, PUSH SPBB 62
SW3	87-036-110-010		SW, PUSH SPBB 62
SW4	87-036-110-010		SW, PUSH SPBB 62
SW5	87-036-110-010		SW, PUSH SPBB 62

RERAY-1 C.B

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
CON101	82-NV3-622-019		CONN ASSY, 3P HEAD 1

RERAY-2 C.B

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
CON201	82-NV3-623-019		CONN ASSY, 6P HEAD 2

CD C.B

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
C2	87-010-146-089		C-CAP, S 2P-50 CH
C3	87-010-154-089		C-CAP, S 10P-50 CH
C4	87-010-263-089		CAP, E 100-10
C5	87-010-178-089		C-CAP, S 1000P-50 B
C6	87-010-382-089		CAP, E 22-25 SME
C7	87-010-197-089		C-CAP, S 0.01-25 B
C8	87-010-248-089		CAP, E 220-10 SME
C9	87-010-193-089		C-CAP, S 0.033-25 F
C10	87-010-188-089		C-CAP, S 6800P-50 B
C11	87-010-188-089		C-CAP, S 6800P-50 B
C12	87-010-193-089		C-CAP, S 0.033-25 F
C13	87-010-193-089		C-CAP, S 0.033-25 F
C14	87-010-197-089		C-CAP, S 0.01-25 B
C15	87-010-263-089		CAP, E 100-10
C16	87-010-197-089		C-CAP, S 0.01-25 B
C17	87-010-248-089		CAP, E 220-10 SME
C18	87-010-400-089		CAP, E 0.47-50 SME
C19	87-010-197-089		C-CAP, S 0.01-25 B
C20	87-010-197-089		C-CAP, S 0.01-25 B
C21	87-010-182-089		C-CAP, S 2200P-50 B
C22	87-010-197-089		C-CAP, S 0.01-25 B
C25	87-010-404-089		CAP, E 4.7-50 SME
C27	87-010-382-089		CAP, E 22-25 SME
C28	87-010-382-089		CAP, E 22-25 SME
C29	87-010-403-089		CAP, E 3.3-50 SME
C33	87-010-400-089		CAP, E 0.47-50 SME
C35	87-010-178-089		C-CAP, S 1000P-50 B
C36	87-010-260-089		CAP, E 47-25 SME
C37	87-010-401-089		CAP, E 1-50 SME
C38	87-010-186-089		C-CAP, S 4700P-50 B
C39	87-010-401-089		CAP, E 1-50 SME
C40	87-010-197-089		C-CAP, S 0.01-25 B
C42	87-010-318-089		C-CAP, S 47P-50 CH
C43	87-010-318-089		C-CAP, S 47P-50 CH
C44	87-010-314-089		C-CAP, S 22P-50 CH
C45	87-010-315-089		C-CAP, S 27P-50 CH
C51	87-010-197-089		C-CAP, S 0.01-25 B
C52	87-010-263-089		CAP, E 100-10
C53	87-010-318-089		C-CAP, S 47P-50 CH
C54	87-010-318-089		C-CAP, S 47P-50 CH
C55	87-010-318-089		C-CAP, S 47P-50 CH
C56	87-010-196-089		C-CAP, S 0.1-25 F
C57	87-010-197-089		C-CAP, S 0.01-25 B
C61	87-010-197-089		C-CAP, S 0.01-25 B
C62	87-010-252-089		CAP, E(TAPG)1000-6.3V
C65	87-010-402-089		CAP, E 2.2-50 SME
C66	87-010-402-089		CAP, E 2.2-50 SME
C69	87-010-178-089		C-CAP, S 1000P-50 B
C70	87-010-178-089		C-CAP, S 1000P-50 B
C80	87-010-196-089		C-CAP, S 0.1-25 F
C81	87-010-221-089		CAP, E 470-10
C82	87-010-197-089		C-CAP, S 0.01-25 B
C83	87-010-196-089		C-CAP, S 0.1-25 F
C84	87-010-196-089		C-CAP, S 0.1-25 F
C85	87-010-196-089		C-CAP, S 0.1-25 F
C86	87-010-248-089		CAP, E 220-10 SME
C87	87-010-197-089		C-CAP, S 0.01-25 B
C88	87-010-221-089		CAP, E 470-10
C89	87-010-197-089		C-CAP, S 0.01-25 B
C90	87-010-404-089		CAP, E 4.7-50 SME
C100	87-010-260-089		CAP, E 47-25 SME
C101	87-010-196-089		C-CAP, S 0.1-25 F
C104	87-010-197-089		C-CAP, S 0.01-25 B
C105	87-010-196-089		C-CAP, S 0.1-25 F
C109	87-010-197-089		C-CAP, S 0.01-25 B
C110	87-010-197-089		C-CAP, S 0.01-25 B
C111	87-010-197-089		C-CAP, S 0.01-25 B
C112	87-010-384-089		CAP, E 100-25 SME
C113	87-010-322-089		C-CAP, S 100P-50 CH
C114	87-010-322-089		C-CAP, S 100P-50 CH
C115	87-010-318-089		C-CAP, S 47P-50 CH
C116	87-012-156-089		C-CAP, S 220P CH
C121	87-010-196-089		C-CAP, S 0.1-25 F
C131	87-010-404-089		CAP, E 4.7-50 SME
C132	87-010-197-089		C-CAP, S 0.01-25 B
C151	87-010-318-089		C-CAP, S 47P-50 CH
EM1	87-008-474-089		F-BEAD, EMI BL02RN1
L1	87-003-295-089		COIL, 10UH
L2	87-003-295-089		COIL, 10UH
M2	87-045-305-019		MOTOR, RF-500TB
R28	87-022-359-089		C-RES, S22K 1/10WF
R29	87-022-359-089		C-RES, S22K-1/10WF
SFR1	87-024-173-089		SFR, 22K DIA6 V
SFR2	87-024-173-089		SFR, 22K DIA6 V
SFR3	87-024-173-089		SFR, 22K DIA6 V
SFR4	87-024-168-089		SFR, 1K DIA6 V
X1	87-030-270-089		VIB, XTAL 16.9344MHZ

PHOTO C.B

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
PH1	87-026-573-010		P-SNSR, GP1S53V

UP/DOWN C.B

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
SW1	87-036-271-010		SW, LVR 1-2-2

OPEN SW C.B

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
SW2	87-036-271-010		SW, LVR 1-2-2

CLOSE SW C.B

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
SW3	87-036-109-019		SW, PUSH SPPB 61

MOTOR-1 C.B

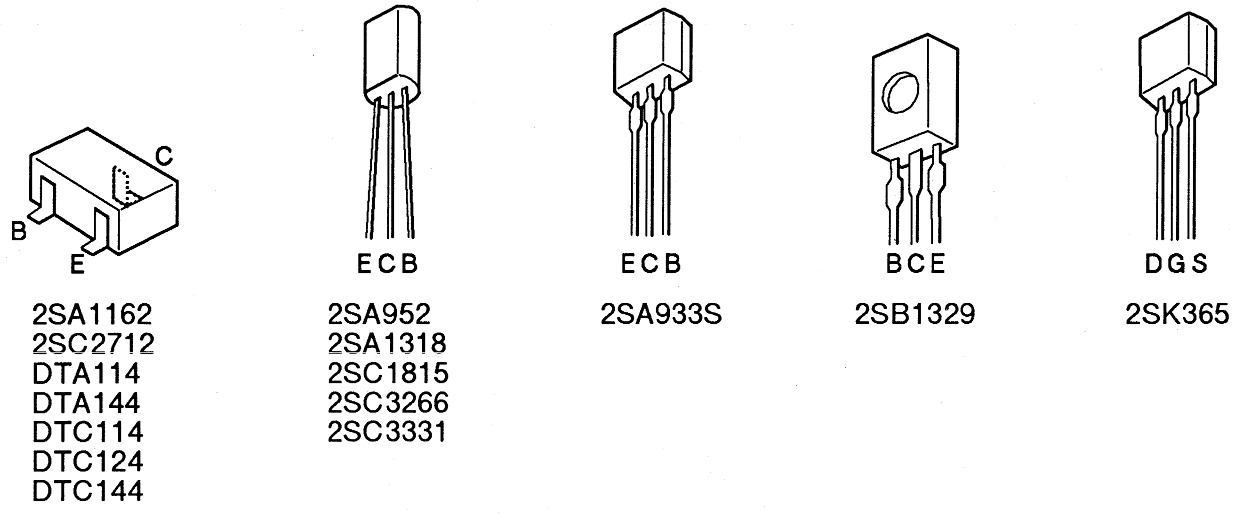
REF. NO	PART NO.	カンリ NO.	DESCRIPTION
M1	87-045-305-019		MOTOR, RF-500TB

MOTOR-2 C.B

MISCELLANEOUS

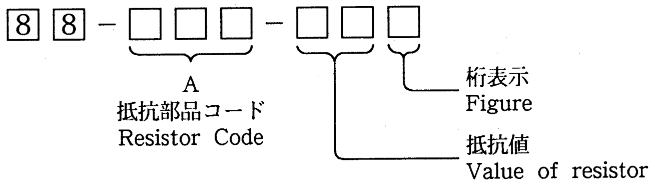
REF. NO	PART NO.	カンリ NO.	DESCRIPTION
	98-848-127-110		PICK UP KSS-210A
FC1	82-NV3-628-019		CABLE FFC, 14P-1.25
FC2	82-NV3-627-019		CABLE FFC, 7P-1.25
FC3	82-NV3-626-019		CABLE FFC, 6P-1.25
FC4	82-NV3-629-019		CABLE FFC, 4P-1.25
LED701	87-020-109-019		LED, SLF-201C
LED702	87-020-109-019		LED, SLF-201C
PH	87-046-355-010		HEAD, PH HADKH2529B(D1)
RPH	87-046-356-010		HEAD, RPH HADKH5581B(D2)

TRANSISTOR ILLUSTRATION

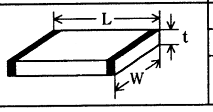


○チップ抵抗部品コード／CHIP RESISTOR PART CODE

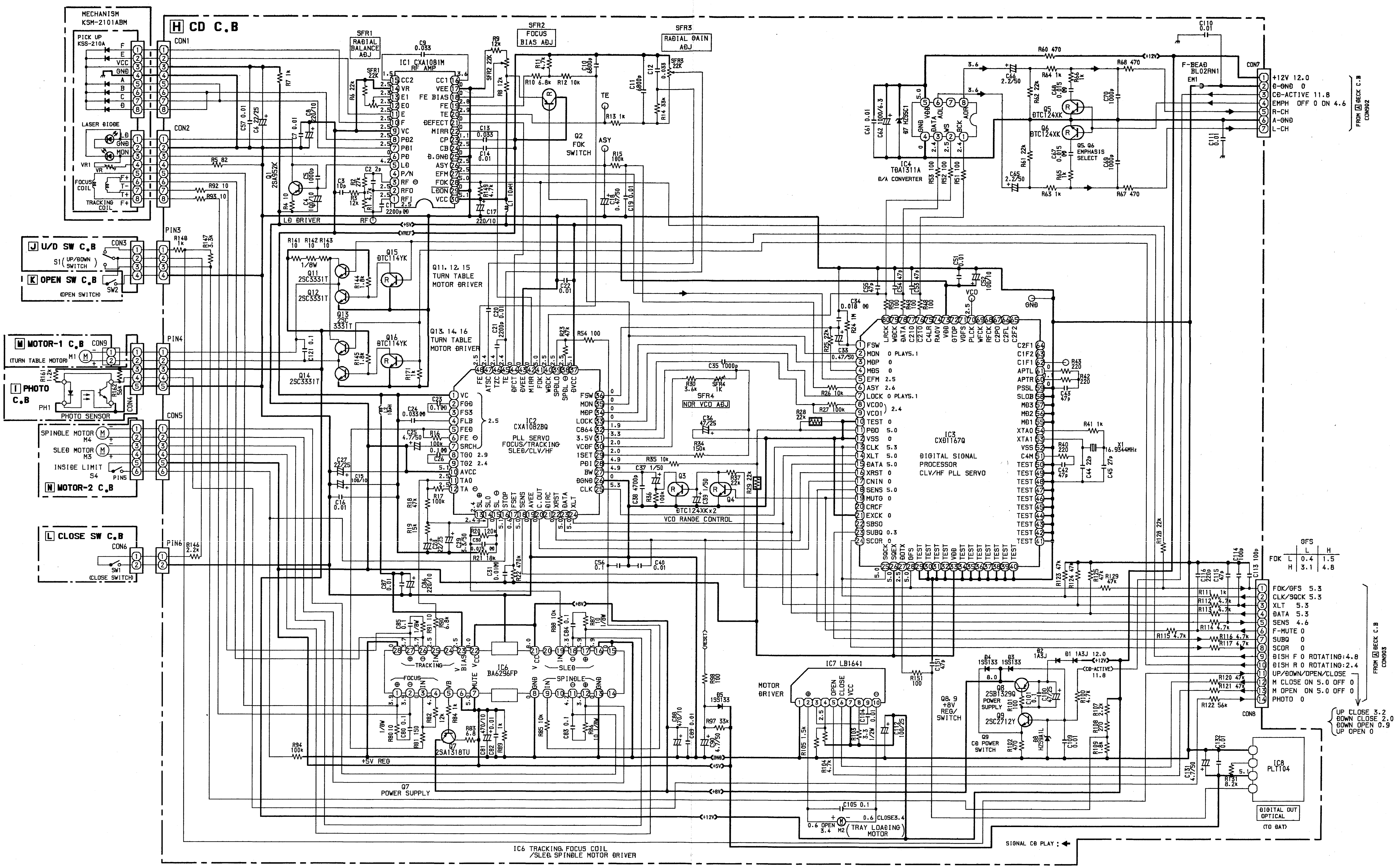
チップ抵抗部品コードの成り立ち
Chip Resistor Part Coding



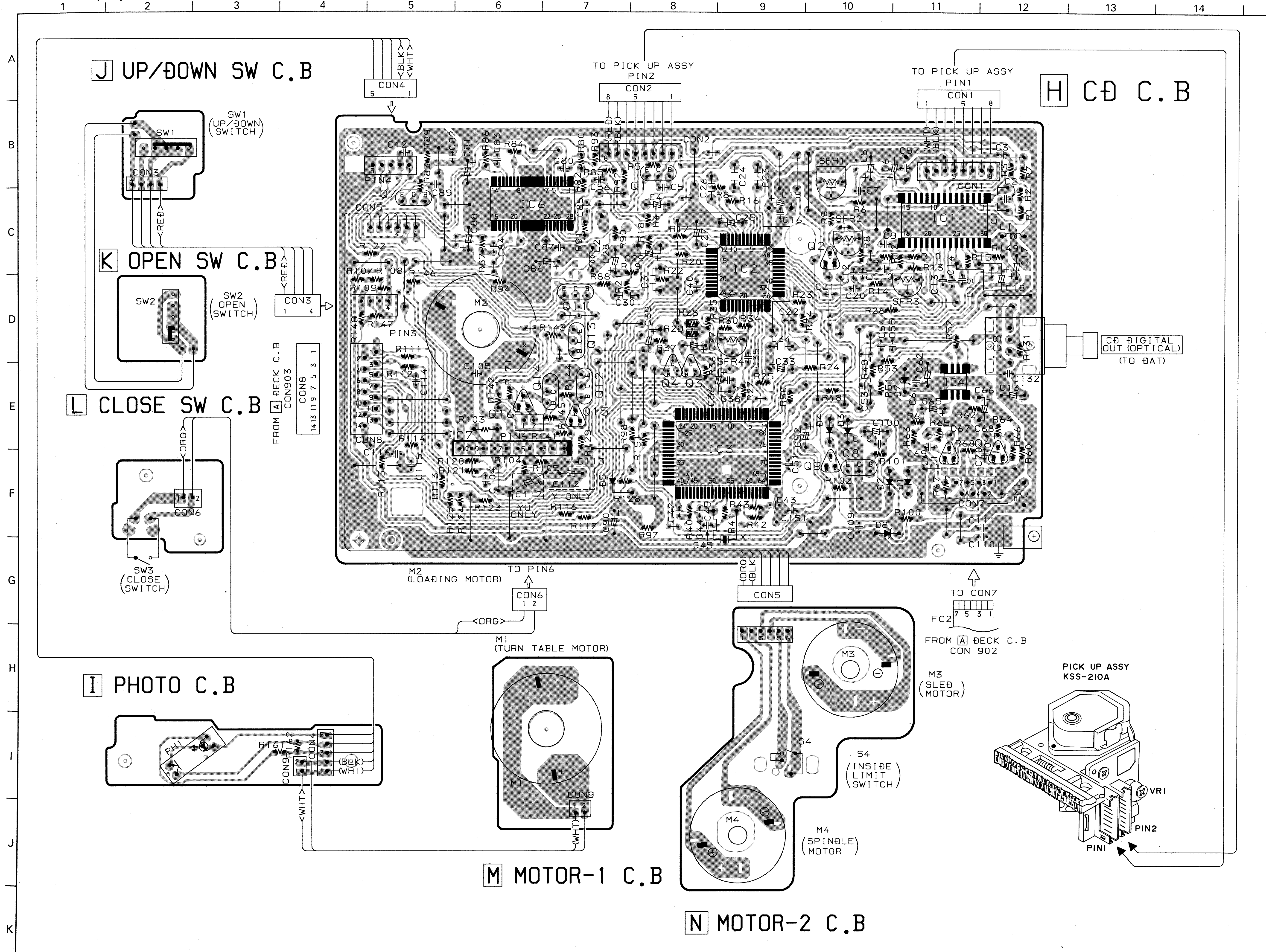
チップ抵抗
Chip resistor

Wattage 容量	Type 種類	Tolerance 許容誤差	Symbol 記号	Dimensions／寸法 (mm)				Resistor Code : A 抵抗コード : A
				Form/外形	L	W	t	
1/32W	1608	±5%	CJ		1.6	0.8	0.35	108
1/10W	2125	±5%	CJ		2	1.25	1.45	118
1/8W	3126	±5%	CJ		3.2	1.6	0.5 ~0.7	128

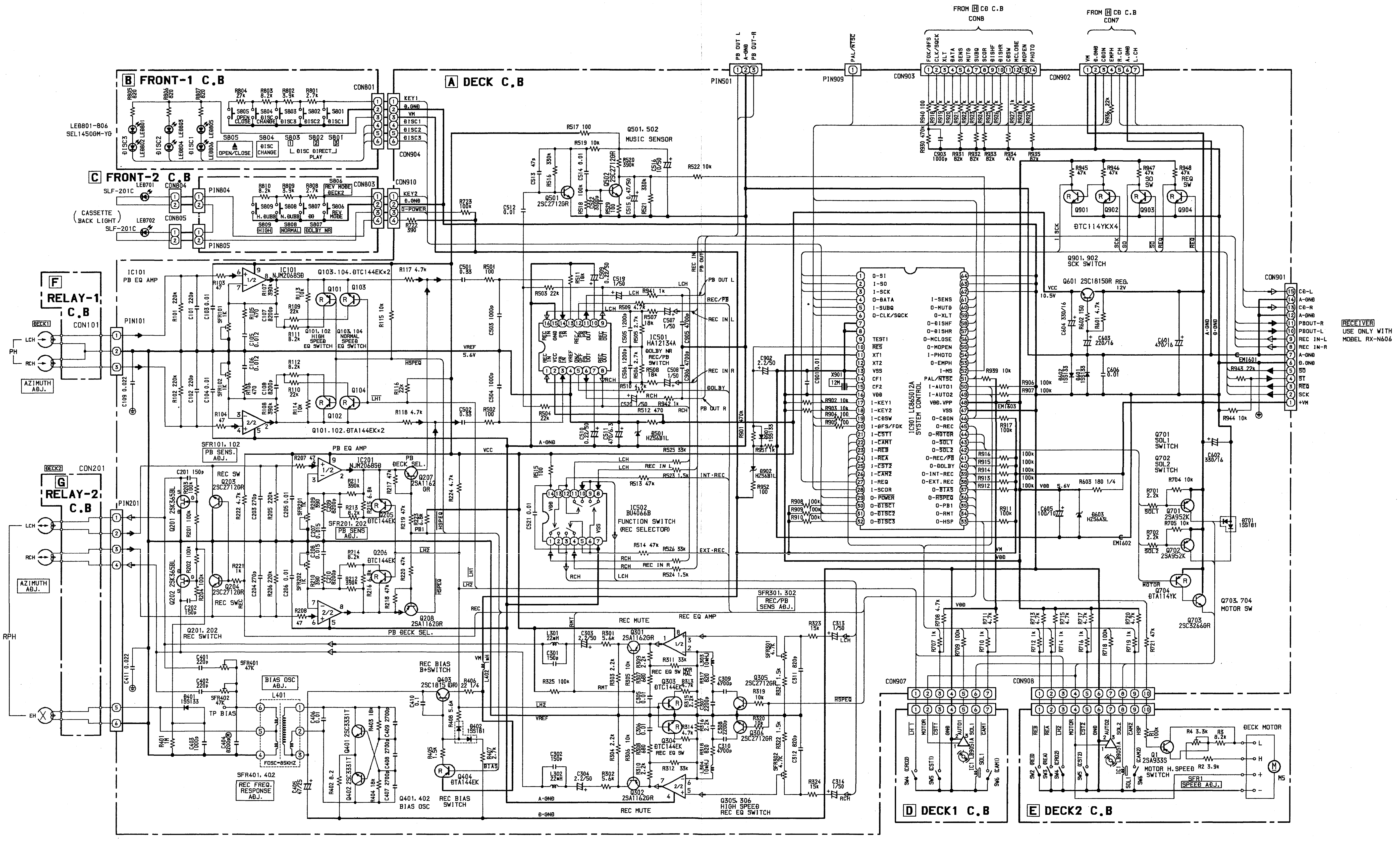
SCHEMATIC DIAGRAM – 1 (CD)


MECHANISM KSM-2101ABM
PICK UP KSS-210A
LASER DIODE
FOCUS COIL
TRACKING COIL
H CD C.B
CON1
CON2
SFR1 RADIAL BALANCE ADJ
SFR2 FOCUS BIAS ADJ
SFR3 RADIAL GAIN ADJ
IC1 CXA1081M RF AMP
Q1 2SA952K
LD DRIVER
Q2 FOK SWITCH
TE
ASY
J U/D SW C.B
S1 (UP/DOWN SWITCH)
K OPEN SW C.B
(OPEN SWITCH)
Q11, 12, 15 TURN TABLE MOTOR DRIVER
Q13, 14, 16 TURN TABLE MOTOR DRIVER
Q11 2SC3331T
Q12 2SC3331T
Q13 2SC3331T
Q14 2SC3331T
Q15 DTC114YK
Q16 DTC114YK
M MOTOR-1 C.B
(TURN TABLE MOTOR) M1
I PHOTO C.B
PH1 PHOTO SENSOR
SPINDLE MOTOR M4
SLED MOTOR M3
INSIDE LIMIT S4
N MOTOR-2 C.B
L CLOSE SW C.B
SW1 (CLOSE SWITCH)
IC2 CXA1082BQ PLL SERVO FOCUS/TRACKING SLED/CLV/HF
SFR4 NOR VCO ADJ
DTC124XK×2 VCO RANGE CONTROL
IC3 CXD1167Q DIGITAL SIGNAL PROCESSOR CLV/HF PLL SERVO
X1 16.9344MHz
IC4 TDA1311A D/A CONVERTER
Q5 DTC124XK
Q6 DTC124XK
Q5, Q6 EMPHASIS SELECT
F-BEAD BL02RN1
CON7
+12V 12.0
D-GND 0
CD-ACTIVE 11.8
EMPH OFF 0 ON 4.6
R-CH
A-GND
L-CH
FROM A DECK C.B CON902
GFS
FOK L 0.4 1.5
H 3.1 4.8
FOK/GFS 5.3
CLK/SQCK 5.3
XLT 5.3
DATA 5.3
SENS 4.6
F-MUTE 0
SUBQ 0
SCOR 0
DISH F 0 ROTATING:4.8
DISH R 0 ROTATING:2.4
UP/DOWN/OPEN/CLOSE
M CLOSE ON 5.0 OFF 0
M OPEN ON 5.0 OFF 0
PHOTO 0
CON8
FROM A DECK C.B CON903
UP CLOSE 3.2
DOWN CLOSE 2.0
DOWN OPEN 0.9
UP OPEN 0
IC6 BA6296FP
TRACKING
FOCUS
SLED
SPINDLE
Q7 2SA1318TU
+5V REG
Q7 POWER SUPPLY
IC7 LB1641
MOTOR DRIVER
M2 TRAY LOADING MOTOR
0.6 CLOSE 3.4
0.6 OPEN 3.4
Q8, 9 +8V REG/SWITCH
Q8 2SB1329Q POWER SUPPLY
Q9 2SC2712Y CD POWER SWITCH
IC8 PLT104
DIGITAL OUT OPTICAL
(TO DAT)
SIGNAL CD PLAY
IC6 TRACKING, FOCUS COIL /SLED, SPINDLE MOTOR DRIVER

WIRING – 1 (CD)

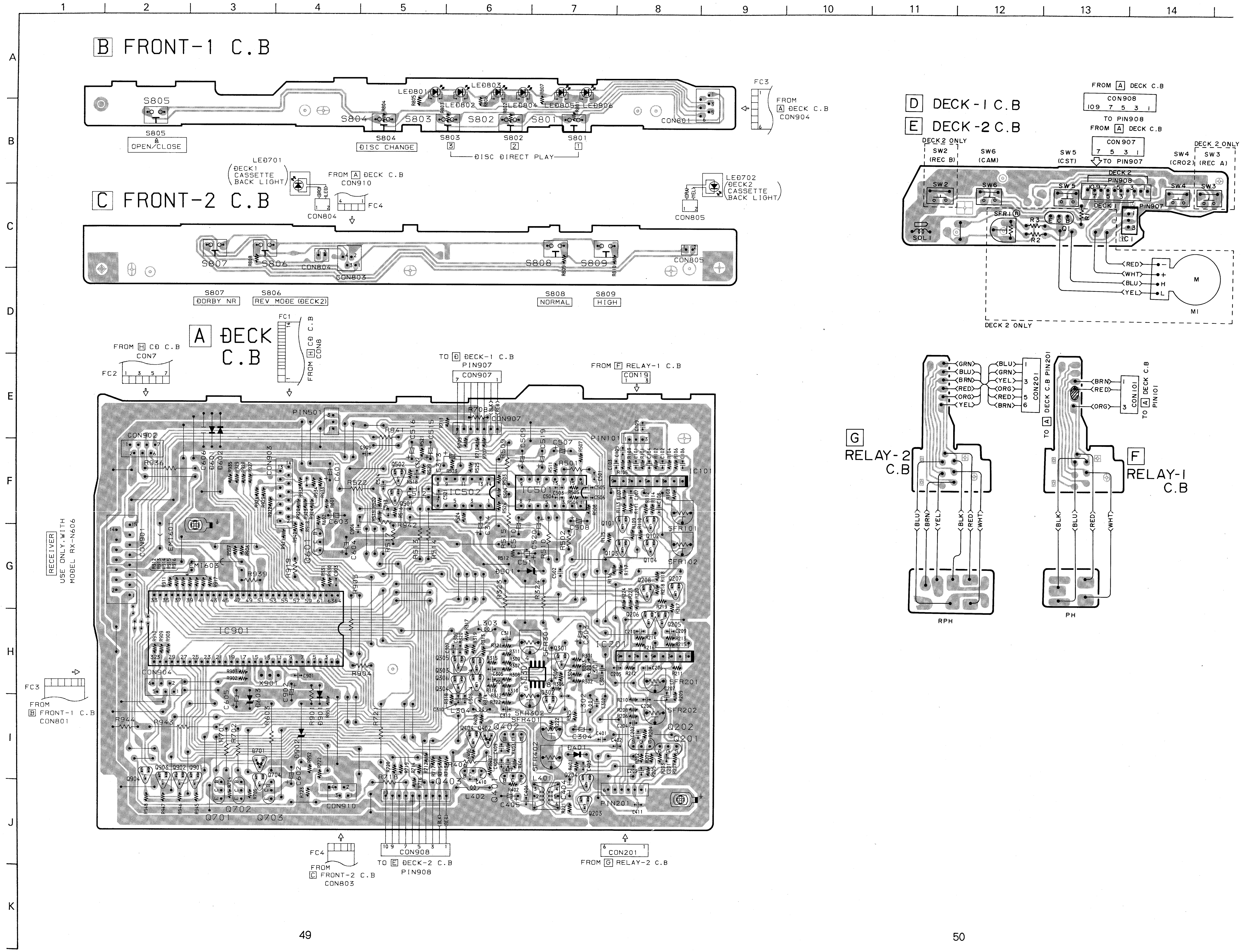

1 2 3 4 5 6 7 8 9 10 11 12 13 14
A B C D E F G H I J K
J UP/DOWN SW C.B
SW1 (UP/DOWN SWITCH)
CON3
CON4
<BLK> <WHT>
<RED>
K OPEN SW C.B
SW2 (OPEN SWITCH)
L CLOSE SW C.B
<ORG>
CON6
SW3 (CLOSE SWITCH)
FROM A DECK C.B CON903
CON8
TO PICK UP ASSY PIN2
CON2
TO PICK UP ASSY PIN1
CON1
H CD C.B
IC1
IC2
IC3
IC4
IC6
IC7
IC8
M2
PIN3
PIN4
PIN6
CD DIGITAL OUT (OPTICAL)
(TO DAT)
M2 (LOADING MOTOR)
TO PIN6
CON5
TO CON7
FC2
FROM A DECK C.B CON 902
M1 (TURN TABLE MOTOR)
CON9
I PHOTO C.B
PH1
R161
R162
M MOTOR-1 C.B
M3
M3 (SLED MOTOR)
S4
S4 (INSIDE LIMIT SWITCH)
M4
M4 (SPINDLE MOTOR)
N MOTOR-2 C.B
PICK UP ASSY KSS-210A
VR1
PIN1
PIN2

SCHEMATIC DIAGRAM – 2 (DECK)



B FRONT-1 C.B
C FRONT-2 C.B
A DECK C.B
F RELAY-1 C.B
G RELAY-2 C.B
D DECK1 C.B
E DECK2 C.B
FROM H CD C.B CON8
FROM H CD C.B CON7
LED801-806 SEL1450GM-YG
SLF-201C
(CASSETTE BACK LIGHT)
CON801
CON804
CON805
CON803
CON904
CON910
PIN804
PIN805
PIN501
PIN909
CON903
CON902
CON101
PIN101
CON201
PIN201
CON901
CON907
CON908
S805 OPEN/CLOSE
S804 DISC CHANGE
S803 S802 S801 DISC DIRECT PLAY
S806 REV MODE DECK2
S809 HIGH
S808 NORMAL
S807 DOLBY NR
KEY1
KEY2
D.GND
VM
DISC1
DISC2
DISC3
D-POWER
PH
LCH
RCH
RPH
EH
AZIMUTH ADJ.
IC101 PB EQ AMP
IC101 NJM2068SD
Q103.104.DTC144EK×2
Q101.102.DTA144EK×2
Q101,102 HIGH SPEED EQ SWITCH
Q103,104 NORMAL SPEED EQ SWITCH
SFR101,102 PB SENS. ADJ.
PB EQ AMP
IC201 NJM2068SD
PB DECK SEL.
REC SW
Q203 2SC2712GR
Q204 2SC2712GR
Q201 2SK365BL
Q202 2SK365BL
Q201,202 REC SWITCH
Q205 DTC144EK
Q206 DTC144EK
Q207 2SA1162GR
Q208 2SA1162GR
SFR201,202 PB SENS ADJ.
Q501,502 MUSIC SENSOR
Q501 2SC2712GR
Q502 2SC2712GR
IC501 HA12134A DOLBY NR REC/PB SWITCH
IC502 BU4066B FUNCTION SWITCH (REC SELECTOR)
D501 HZS6B1L
D902 HZS6B1L
PB OUT L
PB OUT R
REC IN L
REC IN R
INT-REC
EXT-REC
A-GND
D-GND
VREF 5.6V
VCC
HSPEQ
REC MUTE
REC EQ AMP
Q301 2SA1162GR
Q302 2SA1162GR
Q303 DTC144EK
Q304 DTC144EK
Q305 2SC2712GR
Q306 2SC2712GR
Q305,306 HIGH SPEED REC EQ SWITCH
SFR301,302 REC/PB SENS ADJ.
REC BIAS B+SWITCH
Q403 2SC1815(GR)
Q404 DTA144EK
D402 1SS181
D401 1SS133
SFR401 47K
SFR402 47K
TP BIAS
BIAS OSC ADJ.
L401
FOSC=85KHZ
Q401 2SC3331T
Q402 2SC3331T
Q401,402 BIAS OSC
REC BIAS SWITCH
SFR401,402 REC FREQ. RESPONSE ADJ.
IC901 LC865012A SYSTEM CONTROL
X901 12M
Q901 Q902 Q903 Q904
DTC114YKX4
Q901,902 SCK SWITCH
Q601 2SC1815GR REG.
12V
10.5V
D603 HZS6A3L
Q701 SOL1 SWITCH
Q702 SOL2 SWITCH
Q701 2SA952K
Q702 2SA952K
D701 1SS181
Q704 DTA114YK
Q703 2SC3266GR
Q703,704 MOTOR SW
EMI601
EMI602
EMI603
CO-L
A-GND
CO-R
PBOUT-R
PBOUT-L
REC IN-L
REC IN-R
D.GND
SO
ST
REQ
SCK
+VM
RECEIVER USE ONLY WITH MODEL RX-N606
DECK MOTOR
MOTOR H.SPEED SWITCH
Q1 2SA933S
SFR1 SPEED ADJ.
M5
IC1 LB905A

WIRING – 2 (DECK)


B FRONT-1 C.B
S805
OPEN/CLOSE
S804
DISC CHANGE
S803
3
S802
2
S801
1
DISC DIRECT PLAY
LED801
LED802
LED803
LED804
LED805
LED806
CON801
FC3
FROM A DECK C.B CON904
C FRONT-2 C.B
LED701
DECK1 CASSETTE BACK LIGHT
FROM A DECK C.B CON910
CON804
FC4
LED702
DECK2 CASSETTE BACK LIGHT
CON805
S807
DORBY NR
S806
REV MODE (DECK2)
S808
NORMAL
S809
HIGH
CON803
A DECK C.B
FC1
FROM H CD C.B CON8
FROM H CD C.B CON7
FC2
TO D DECK-1 C.B PIN907
CON907
FROM F RELAY-1 C.B
CON19
RECEIVER USE ONLY WITH MODEL RX-N606
IC901
IC501
IC502
IC101
IC201
CON901
CON902
CON903
CON904
CON910
FROM B FRONT-1 C.B CON801
CON908
TO E DECK-2 C.B PIN908
FROM C FRONT-2 C.B CON803
CON201
FROM G RELAY-2 C.B
D DECK-1 C.B
E DECK-2 C.B
FROM A DECK C.B CON908
TO PIN908
FROM A DECK C.B CON907
TO PIN907
DECK 2 ONLY
SW2 (REC B)
SW6 (CAM)
SW5 (CST)
SW4 (CRO2)
SW3 (REC A)
SOL1
SFR1
M
M1
RED
WHT
BLU
YEL
G RELAY-2 C.B
RPH
F RELAY-1 C.B
PH
CON201
TO A DECK C.B PIN201
CON101
TO A DECK C.B PIN101

IC DESCRIPTION

IC,LC865012A

Pin No.	Pin Name	I/O	Description
1	O-SI	O	Serial data output to uPD78044GF-036
2	I-SO	I	Serial data input from uPD78044GF-036
3	I-SCK	I	Serial clock input from uPD78044GF-036
4	O-DATA	O	Serial data output to CXD-1167
5	I-SUBQ	I	Sub-code input from CD
6	O-CLK/SQCK	O	Clock output to control CD
7	————	—	Not used (Connected to GND)
8	————	—	Not used (Connected to GND)
9	TEST1	—	Not used
10	$\overline{\text{RES}}$	I	Reset input
11	XT1	—	Connected to +5.6V
12	XT2	—	Not used
13	VSS	—	Connected to GND
14	CF1	I	Input pin for ceramic oscillator
15	CF2	O	Output pin for ceramic oscillator
16	VDD	—	Connected to +5.6V
17	I-KEY1	I	Key data is input in the form of A/D level
18	I-KEY2	I	Key data is input in the form of A/D level
19	I-CDSW	I	CD tray condition is input in the form of A/D level
20	I-GFS/FOK	I	Input from control CD
21	I-$\overline{\text{CST1}}$	I	Input from DECK-1 tape detector
22	I-$\overline{\text{CAM1}}$	I	Input from DECK-1 cam switch detector
23	I-$\overline{\text{REB}}$	I	Input from B side record safety claw detector
24	I-$\overline{\text{REA}}$	I	Input from A side record safety claw detector
25	I-$\overline{\text{CST2}}$	I	Input from DECK-2 tape detector
26	I-$\overline{\text{CAM2}}$	I	Input from DECK-2 cam switch detector
27	I-REQ	I	Data request input from uPD78044GF-036
28	I-SCOR	I	Input from control CD
29	O-$\overline{\text{POWER}}$	O	Output to illuminate cassette.
30	O-$\overline{\text{DISC1}}$	O	Output to illuminate "1" button
31	O-$\overline{\text{DISC2}}$	O	Output to illuminate "2" button
32	O-$\overline{\text{DISC3}}$	O	Output to illuminate "3" button
33	O-HSP	O	High speed output to deck motor
34	O-RMT	O	Muting output to record amplifier
35	O-PB1	O	Selection between DECK-1 and DECK-2
36	O-$\overline{\text{HSPEQ}}$	O	Equalizer selection during high speed dubbing
37	O-$\overline{\text{BIAS}}$	O	Output to bias switch
38	O-EXT•REC	O	Selection of record amplifier input ("H" during record in the modes other than synchro-dubbing.)
39	O-INT•REC	O	Selection of record amplifier input ("H" during record in the modes other than synchro-dubbing.)

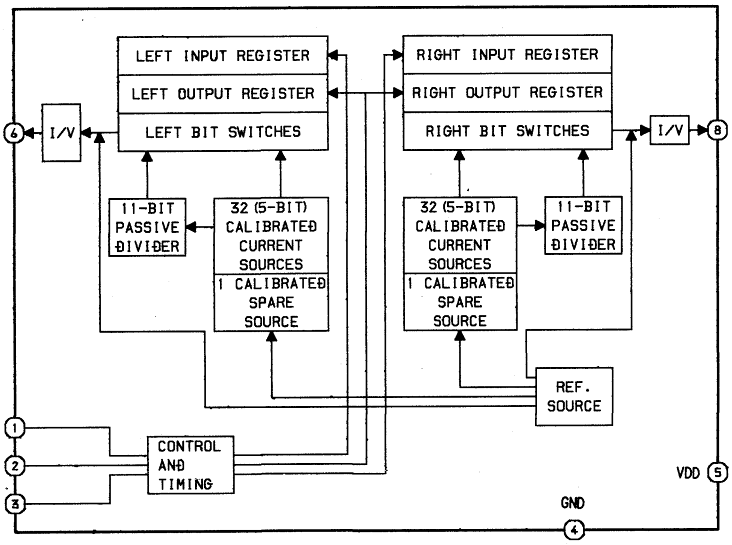
Pin No.	Pin Name	I/O	Description
40	O-DOLBY	O	Dolby selection (ON/OFF) output to Dolby IC
41	O-REC/$\overline{\text{PB}}$	O	Output to Dolby IC for its input selection(REC/PB).
42	O-$\overline{\text{SOL2}}$	O	Solenoid output to DECK-2
43	O-$\overline{\text{SOL1}}$	O	Solenoid output to DECK-1
44	O-$\overline{\text{MOTOR}}$	O	DECK motor output
45	O-REC	O	Output for shorting DECK-2 playback amplifier input during record.
46	O-CDON	O	Output to select power (ON/OFF) of CD circuit
47	VSS	—	Connected GND
48	VDD•VPP	—	Connected to +5.6V
49	I-AUTO2	I	Input from Hall IC detector of DECK-2
50	I-AUTO1	I	Input from Hall IC detector of DECK-1
51	PAL/$\overline{\text{NTSC}}$	O	PAL/NTSC selection of CDG
52	I-MS	I	Input from music search detector
53	O-EMPH	O	Output to control CD
54	I-PHOTO	I	Input from control CD
55	O-MOPEN	O	CD tray OPEN output
56	O-MCLOSE	O	CD tray CLOSE output
57	O-DISHR	O	CD turntable reverse rotation output
58	O-DISHF	O	CD turntable forward rotation output
59	O-XLT	O	Output to control CD
60	O-MUTG	O	Output to control CD
61	I-SENS	I	Input to control CD
62		—	Not used (Connected GND)
63		—	Not used (Connected GND)
64		—	Not used (Connected GND)

See the NSX-330 for the IC description below.

	FD-N606	NSX-330
①	IC,CXD1167Q	IC,CXD1167Q
②	IC,CXA1081M	IC,CXA1081M
③	IC,CXA1082BQ	IC,CXA1082BQ

IC BLOCK DIAGRAM

IC,TDA1311

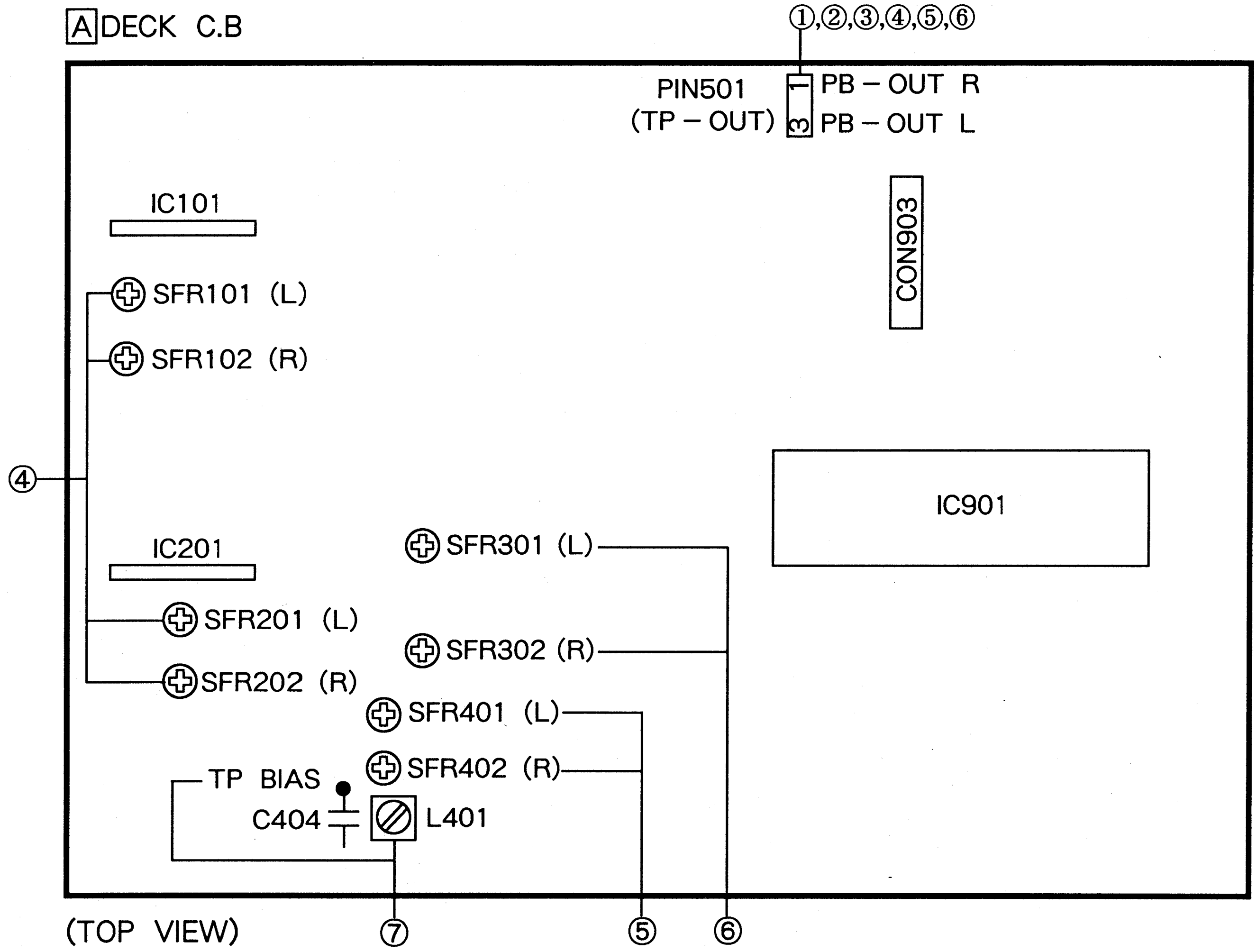


LEFT INPUT REGISTER
LEFT OUTPUT REGISTER
LEFT BIT SWITCHES
RIGHT INPUT REGISTER
RIGHT OUTPUT REGISTER
RIGHT BIT SWITCHES
I/V
I/V
11-BIT PASSIVE DIVIDER
32 (5-BIT) CALIBRATED CURRENT SOURCES
1 CALIBRATED SPARE SOURCE
32 (5-BIT) CALIBRATED CURRENT SOURCES
1 CALIBRATED SPARE SOURCE
11-BIT PASSIVE DIVIDER
REF. SOURCE
CONTROL AND TIMING
VDD
GND
1
2
3
4
5
6
8

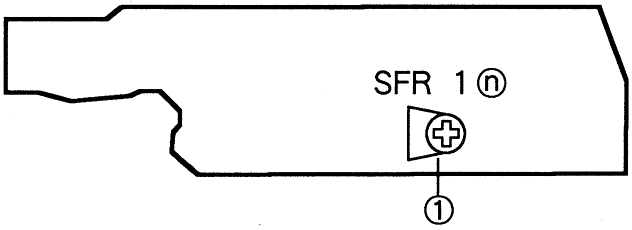
See the NSX – 330 for the IC Block Diagram below.		
	FD – N606	NSX – 330
①	IC,BA6296FP	IC,BA6296FP
②	IC,HA12134A	IC,HA12134A
③	IC,LB1641	IC,LB1641

ELECTRICAL ADJUSTMENT (DECK)

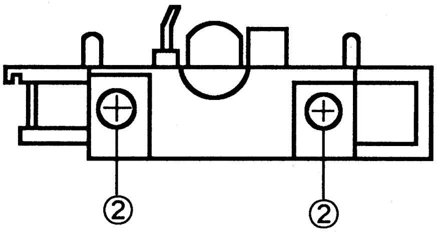
A DECK C.B


①,②,③,④,⑤,⑥
PIN501
(TP – OUT)
1 PB – OUT R
3 PB – OUT L
CON903
IC101
SFR101 (L)
SFR102 (R)
④
IC901
IC201
SFR301 (L)
SFR201 (L)
SFR302 (R)
SFR202 (R)
SFR401 (L)
SFR402 (R)
TP BIAS
C404
L401
(TOP VIEW)
⑦
⑤
⑥

E DECK C.B



DECK 1P, DECK 2R/P/E HEAD



1. Tape Speed Adjustment

Settings : • Test tape : TTA-100

• Test point : TP CONN 3P (PIN501) ①,③

• Adjustment location : SFR 1ⓝ

Method : Play back the test tape II DECK and adjust SFR 1ⓝ so that the frequency counter reads 3000Hz ± 5Hz.

2. Head Azimuth Adjustment

Settings : • Test tape : TTA-310

• Test point : TP CONN 3P (PIN501) ①,③

• Adjustment location : Head azimuth adjustment screw

Method : Play back the 10kHz signal of the test tape and adjust so that the output becomes maximum. Next, perform on each FWD PLAY and REV PLAY mode.

3. PB Frequency Response Check

Settings : • Test tape : TTA-310

• Test point : TP CONN 3P (PIN501) ①,③

Method : Play back the 315Hz and 10kHz signals of the test tape and check that the output ratio of the 10kHz signal is with respect to that of the 315Hz signal is ± 2dB.

4. PB Sensitivity Adjustment

Settings : • Test tape : TTA-200

• Test point : TP CONN 3P (PIN501) ①,③ (load 47K Ω)

• Adjustment location :

(I DECK)	SFR101 (Lch)
	SFR102 (Rch)
(II DECK)	SFR201 (Lch)
	SFR202 (Rch)

Method : Play back the test tape and adjust SFRs so that the output level of the test point is 300mV ± 20mV.

5. REC/PB Frequency Response Adjustment

Settings :
- Test tape : TTA-601
- Test point : TP CONN 3P (PIN501) ①,③
- Input signal : 1kHz/10kHz (VIDEO/AUX)
- Adjustment location : SFR401 (Lch)
  SFR402 (Rch)

Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at the TP CONN 3P (PIN501) ①,③ is 21mV.
Record and play back the 1kHz and 10kHz signals and adjust SFRs so that the output of the 10kHz signal is +0.5dB ± 0.5dB with respect to that of the 1kHz signal.

6. REC/PB Sensitivity Adjustment

Settings :
- Test tape : TTA-601 (TTA-600)
- Test point : TP CONN 3P (PIN501) ①,③
- Input signal : 1kHz (VIDEO/AUX)
- Adjustment location : SFR301 (Lch)
  SFR302 (Rch)

Method : Apply a 400Hz signal and REC mode. Then adjust OSC attenuator so that the output level at the TP CONN 3P (PIN501) ①,③ is 21mV.
Record and play back the 400Hz signal and adjust SFRs so that the output becomes 21mV ± 0.5dB.

7. Bias OSC Frequency Adjustment

Settings :
- Test tape : TTA-601
- Test point : TP BIAS (C404)
- Adjustment location : L401

Method : Set to the REC mode. Adjust L401 so that the frequency counter of the test point reads 85kHz ± 1kHz.

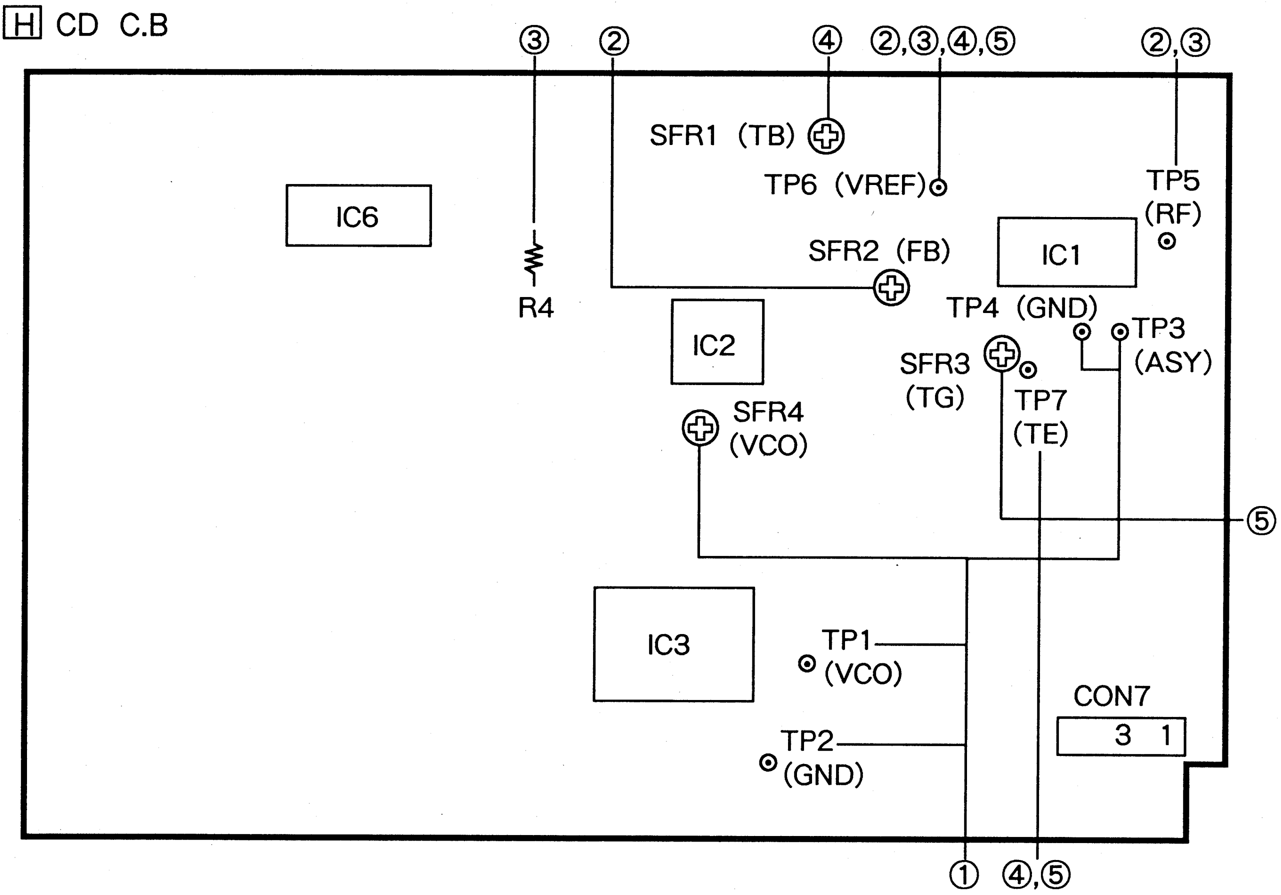
PRACTICAL SERVICE FIGURE (DECK)

DECK SECTION

Tape speed :	3000Hz ± 1.5%
Wow & flutter :	Less than 0.4% (R.M.S)
Take-up torque :	30~55g-cm (FWD, REV)
F.F torque :	75~180g-cm
Rew torque :	75~180g-cm
Back tension :	2~7g-cm
PB Output level :	2.5V ± 1dB (SP OUT)
REC/PB Output level :	1.75V ± 1dB (SP OUT)
Distortion (REC/PB) :	Less than 2.0% (CrO_2) Less than 2.0% (NORMAL)
Noise level (PB) :	Less than 10mV/15mV (DOLBY B NR ON/OFF CrO_2) Less than 115mV/25mV (DOLBY B NR ON/OFF NORM)
Noise level (REC/PB) :	Less than 10mV/15mV (DOLBY B NR ON/OFF CrO_2) Less than 15mV/25mV (DOLBY B NR ON/OFF) MORM)
Erasing ratio :	More than 60dB (125Hz)
REC bias frequency :	85kHz
Test tape :	NORMAL TTA-601/600 CrO_2 TTA-610

ELECTRICAL ADJUSTMENT (CD)

H CD C.B

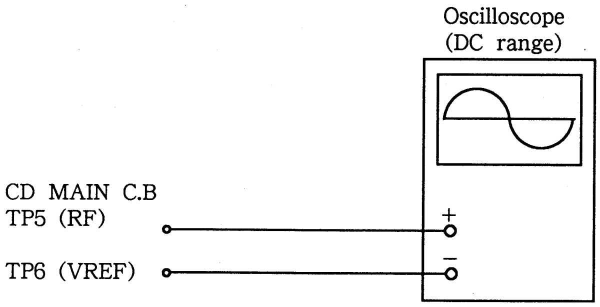

③
②
④
②,③,④,⑤
②,③
SFR1 (TB)
TP6 (VREF)
TP5 (RF)
IC6
R4
SFR2 (FB)
IC1
TP4 (GND)
TP3 (ASY)
IC2
SFR3 (TG)
TP7 (TE)
SFR4 (VCO)
⑤
IC3
TP1 (VCO)
CON7
3 1
TP2 (GND)
①
④,⑤

Note : Connect a probe (10 : 1) of the osilloscope and the counter to a test point.

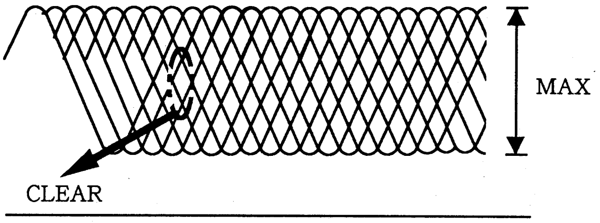
1. VCO Frequency Adjustment
   1) Short pin ①and③ of CON7 with wire.
   2) Connect the frequency counter to the test points TP1 (VCO : IC3 PIN 70) and TP2 (VCO GND).
   3) Connect and short between TP3 (ASY : IC1 PIN 26) and TP4 (GND).
   4) Adjust SFR4 so that the frequency counter reading is 4.27MHz ± 0.02MHz.
   5) After the adjustment is completed, disconnect the short lead wire.

2. Focus Bias Adjustment

   Make the focus bias adjustment when replacing and repairing the optical block.


Oscilloscope
(DC range)
CD MAIN C.B
TP5 (RF)
TP6 (VREF)
+
−

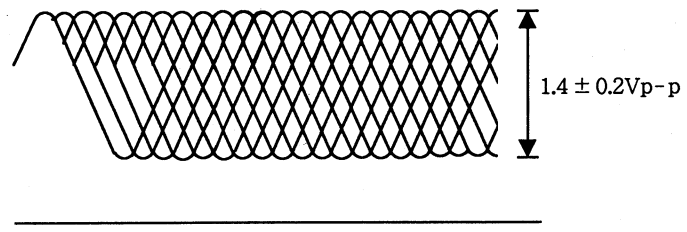
   1) Connect an oscilloscope to the test points TP5 (RF : IC1 PIN 2) and TP6 (VREF).
   2) Turn on the power switch.
   3) Insert test disc TCD-782 (YEDS-18) and play back the second composition.
   4) Adjust SFR2 (FB) so that the RF waveform must be maximum and clear.



VOLT／DIV : 0.5V
TIME／DIV : 0.5 μ S

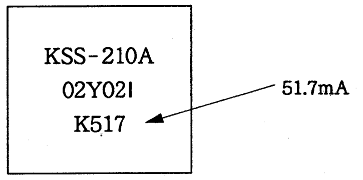
3. RF Waveform Check

   This check should be performed whenever the optical block is replaced in repair.
   1) Connect an oscilloscope to the test points TP5 (RF) and TP6 (VREF).
   2) Turn on the power switch.
   3) Insert test disc TCD-782 (YEDS-18) and play back the second composition.
   4) Check that the waveform appears as shown in the figure.



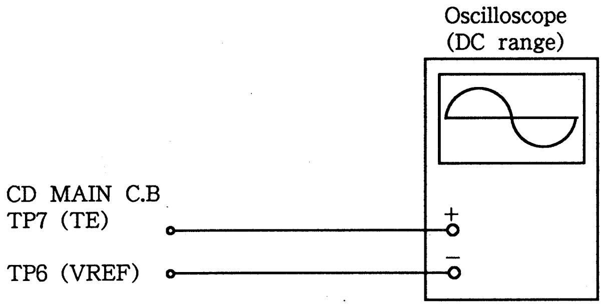
VOLT/DIV : 0.5V
TIME/DIV : 0.5 μS

Note : The current of the laser signal can be checked with the voltages on both sides of R4 (10 Ω). The difference for the specified value shown on the label must be within ± 6.0mA.

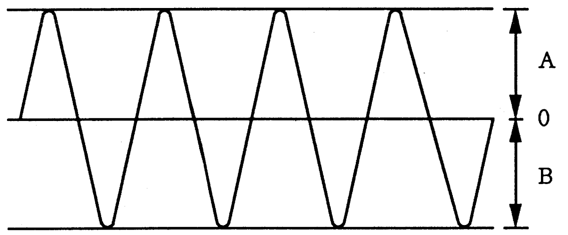


$$\text{Laser current Iop} = \frac{\text{Voltage across R4}}{10\ \Omega}$$

4. Tracking Balance Adjustment



1) Connect an oscilloscope to the test points TP7 (TE : IC1 PIN 20) and TP6 (VREF).
2) Connect center pin of SFR3 (TG) to TP6 (VREF).
3) Turn on the power switch.
4) Insert test disc TCD-782 (YEDS-18) and play back the second composition.
5) Adjust SFR1 (TB) so that the waveform on the oscilloscope is vertically symmetrical as figure shown in the figure below.
6) After the adjustment is completed, remove the connected lead wire.



A = B VOLT/DIV : 500mV
TIME/DIV : 1mS

5. Tracking Gain Adjustment

A servo analyzer is necessary in order to perform this adjustment exactly. However, this gain has a margin, so even if it is slightly off, there is no problem. Therfore, do not perform this adjustment.

Focus/tracking gain determines the pick-up follow-up (vertical and horizontal) relative to mechanical noise and mechinical shock when 2-axis device operates. However, as these reciprocate, the adjustment is at the point where both are satisfied.

- When gain is raised, the noise increases when the 2-axis device opearates increases.
- When gain is lowered, it is more susceptible to mechanical shock and skipping occurs more easily.

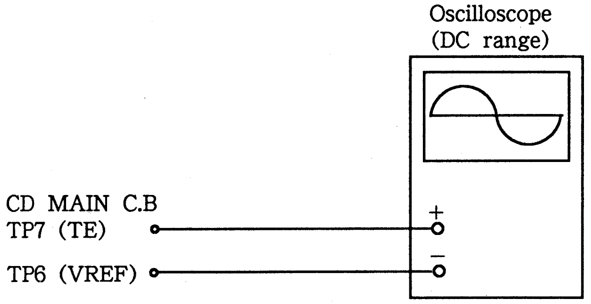
When gain adjustment is off, the symptoms below appear.

Gain Symptoms	(Focus)	Tracking
● The time until music starts becomes longer for STOP→▶PLAY or automatic selection (⏮ ⏭ buttons pressed.) (Normally takes about 2 seconds.)	low	low or high
● Music does not start and disc continues to rotate for STOP→▶PLAY or automatic selection (⏮ ⏭ buttons pressed.)	–	low
● Disc stops to rotate shortly after STOP→▶PLAY.	low or high	–
● Sound is interrupted during PLAY, or time counter display stops.	–	low
● More noises during the 2-axis device operation.	high	high

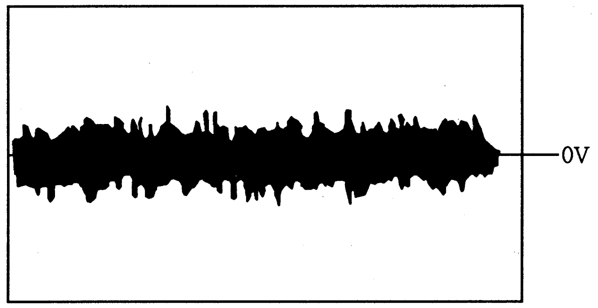
The following is simple adjustment method.

– Simple adjustment –

Note : Since exact adjustment cannot be performed, remember the positions of the controls before the performing the adjustment. If the positions after the simple adjustment are only a little different, return the controls to the original position.



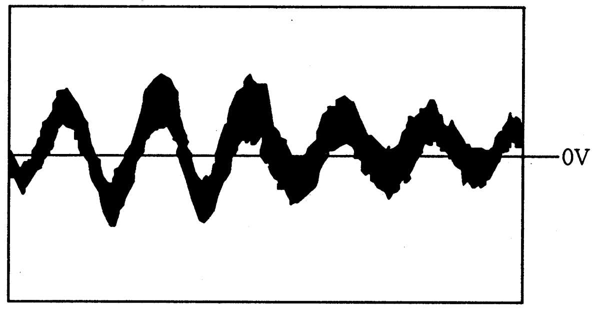
1) Keep the set horizontal.(If the set is not kept horizontally, this adjustment cannot be performed due to the gravity against the 2 – axis device.)
2) Insert test disc TCD-782 (YEDS-18) and play back the second composition.
3) Connect an oscilloscope to TP7 (TE : IC1 PIN 20) and TP6 (VREF).
5) Adjust SFR3 (TG) so that the waveform appears as shown in the figure below.
(tracking gain adjustment)



VOLT/DIV : 200mV
TIME/DIV : 1mS

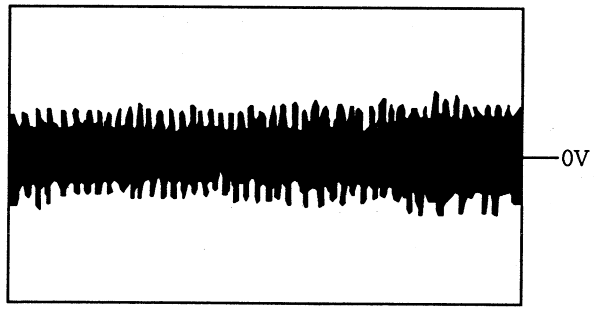
- Incorrect example (The fundamental wave appears as compared with the waveform adjusted)

Low tracking gain



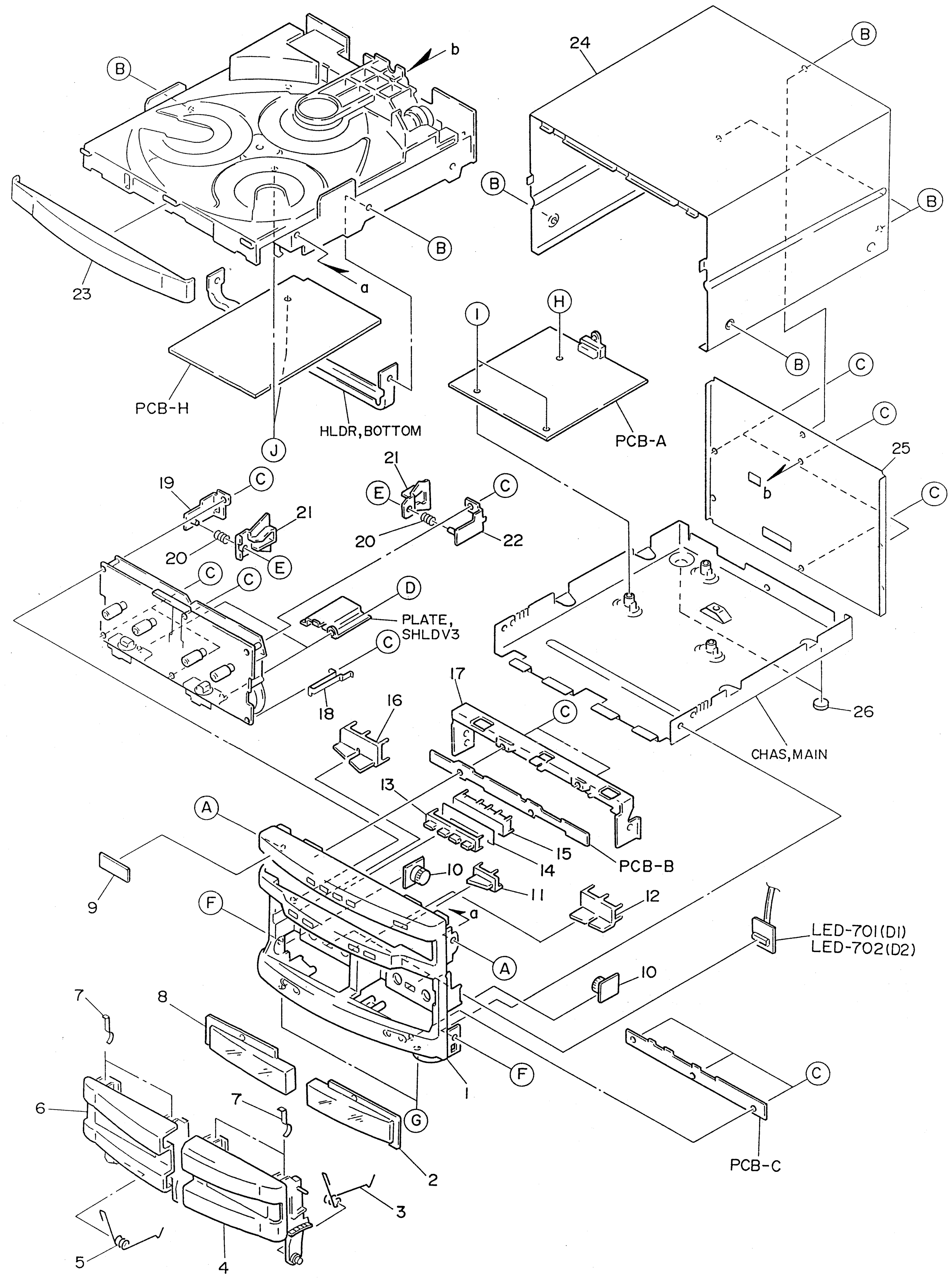
VOLT/DIV : 200mV
TIME/DIV : 1mS

High tracking gain (The frequency of the fundamental wave is higher than in low gain.)



VOLT/DIV : 200mV
TIME/DIV : 1mS

MECHANICAL EXPLODED VIEW 1/2 (FD－N606)

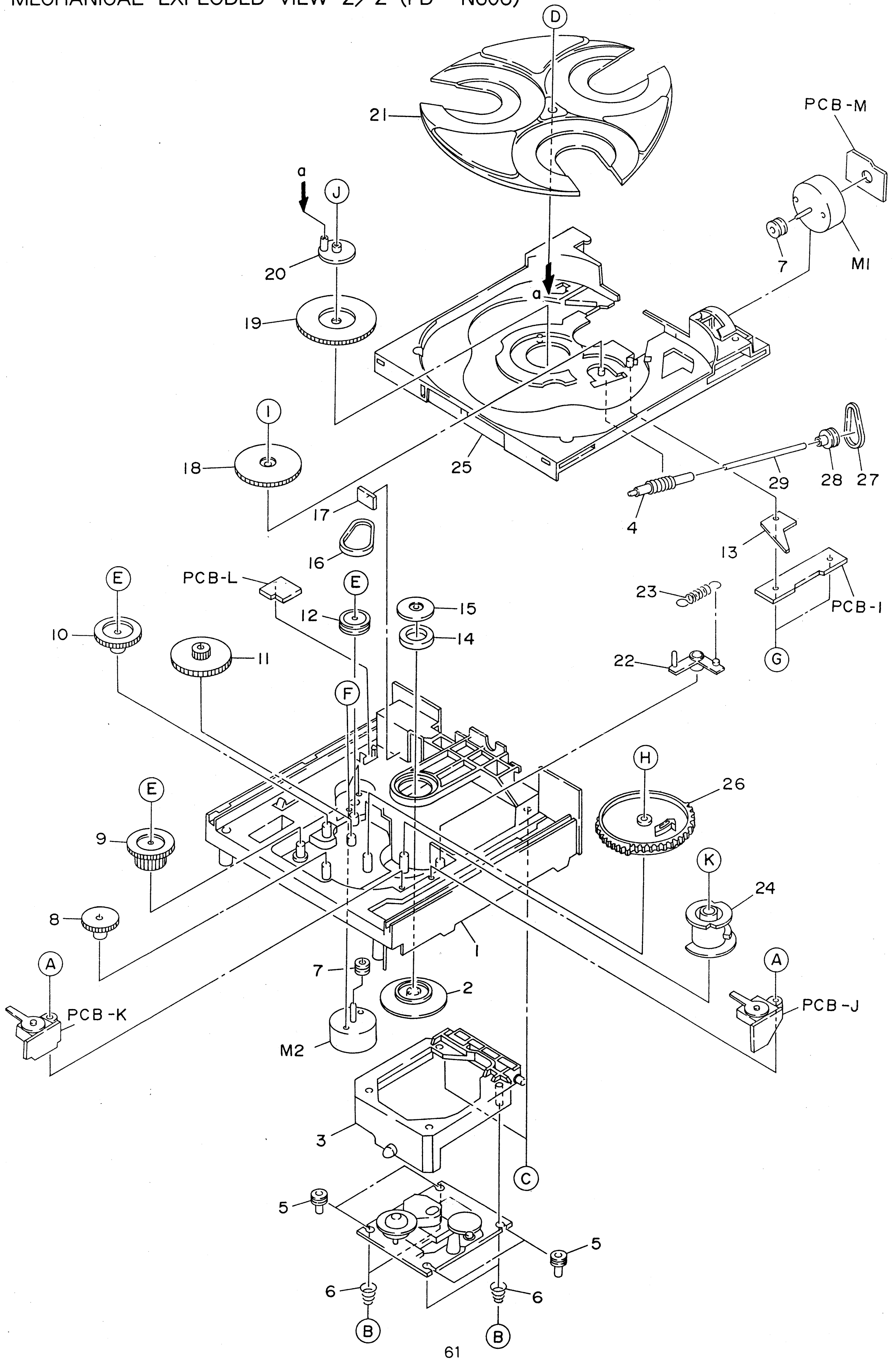

B
b
24
B
B
B
B
23
a
PCB-H
HLDR, BOTTOM
J
I
H
PCB-A
B
C
C
25
b
C
19
C
21
21
E
C
20
22
20
E
C
C
D
PLATE,
SHLDV3
C
18
16
17
C
26
CHAS, MAIN
13
A
15
14
PCB-B
9
10
11
12
F
a
LED-701(D1)
LED-702(D2)
A
10
7
8
6
7
1
F
G
C
2
3
5
4
PCB-C

MECHANICAL PARTS LIST 1/2 (FD－N606)

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
1	82-NV3-016-019		CAB, FR EX[B]〈YJ, Y〉
1	82-NV3-020-019		CAB, FR GLD[N]〈Y〉
1	82-NV3-028-019		CAB, FR U[B]〈YU〉
2	82-NV3-012-019		WINDOW, CASS 2
3	82-NV3-206-019		SPR-T, EJECT 2
4	82-NV3-018-019		BOX, CASS 2 EX[B]
4	82-NV3-022-019		BOX, CASS 2 GLD[N]
5	82-NV3-205-019		SPR-T, EJECT 1
6	82-NV3-017-019		BOX, CASS 1 EX[B]
6	82-NV3-021-019		BOX, CASS 1 GLD[N]
7	80-CD3-218-110		SPR-P CASS
8	82-NV3-011-019		WINDOW, CASS 1
9	81-DS1-011-019		BADGE, AIWA N
10	87-063-165-019		OIL-DMPR 150
11	82-NV3-008-019		KEY, OPEN
12	82-NV3-010-019		KEY, DUBBING
13	82-NV3-007-019		KEY, DISC
14	82-NT3-012-019		SH, FUN
15	82-NT3-201-019		GUIDE, FUN
16	82-NV3-009-019		KEY, DOLBY
17	82-NV3-201-019		HLDR, CD
18	82-NV3-204-019		PLATE, EARTE MECHA 2
19	82-NF5-204-019		HLDR ASSY, LOCK 1
20	80-MV3-218-019		SPR-C, LOCK
21	80-CD3-233-010		PLATE, LOCK
22	82-NF5-205-019		HLDR ASSY, LOCK 2
23	82-NV3-019-019		PANEL, TRAY EX[B]
23	82-NV3-023-019		PANEL, TRAY GLD[N]
24	82-NV3-024-019		CAB, STEEL GLD[N]
24	82-NV3-005-019		CAB, STEEL[B]
25	82-NV3-014-019		PANEL, REAR YBNE[B, N]〈Y〉
25	82-NV3-027-019		PANEL, REAR YJBN[B]〈YJ〉
25	82-NV3-015-019		PANEL, REAR YUBN[B]〈YU〉
26	82-NV1-213-019		FELT, DIA12-2
A	87-721-097-419		QT2+3-12 GLD
B	87-067-641-019		UTT2+3-8 W/O SLOT BLK
C	87-067-761-019		BVT2+3-10 BLK
D	87-571-032-419		VIT+2-3
E	87-081-808-019		PW, 1.7-3.5-0.25
F	87-591-094-419		QIT + 3 - 6 GOLD.
G	87-067-673-019		BVTT +3-8 BLK
H	87-067-632-019		BVT2+3-15 W CONVEX
I	87-067-581-019		BVT2+3-15 W/O SLOT
J	87-067-579-019		BVT 2+3-8 W/O SLOT

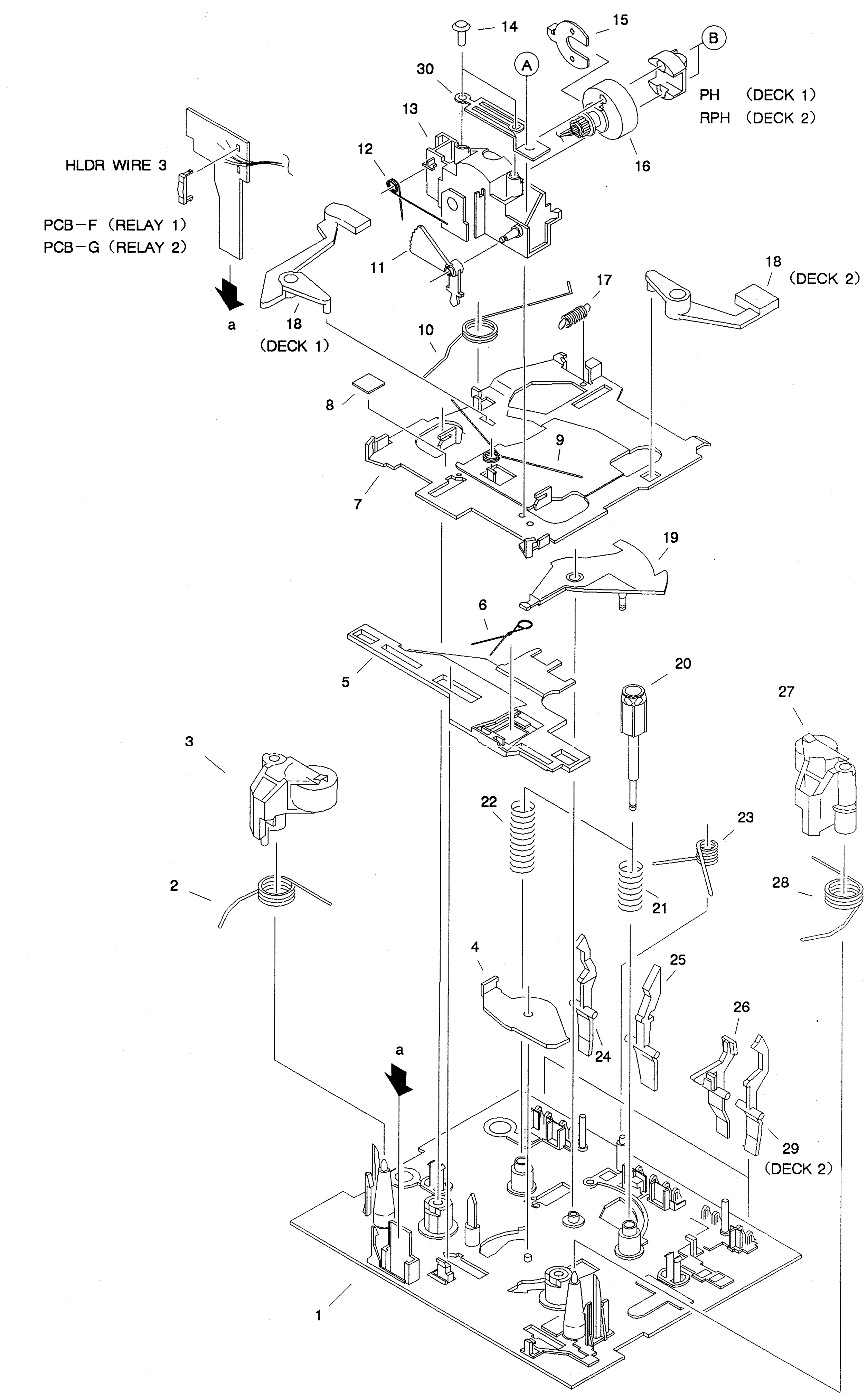
MECHANICAL EXPLODED VIEW 2/2 (FD－N606)

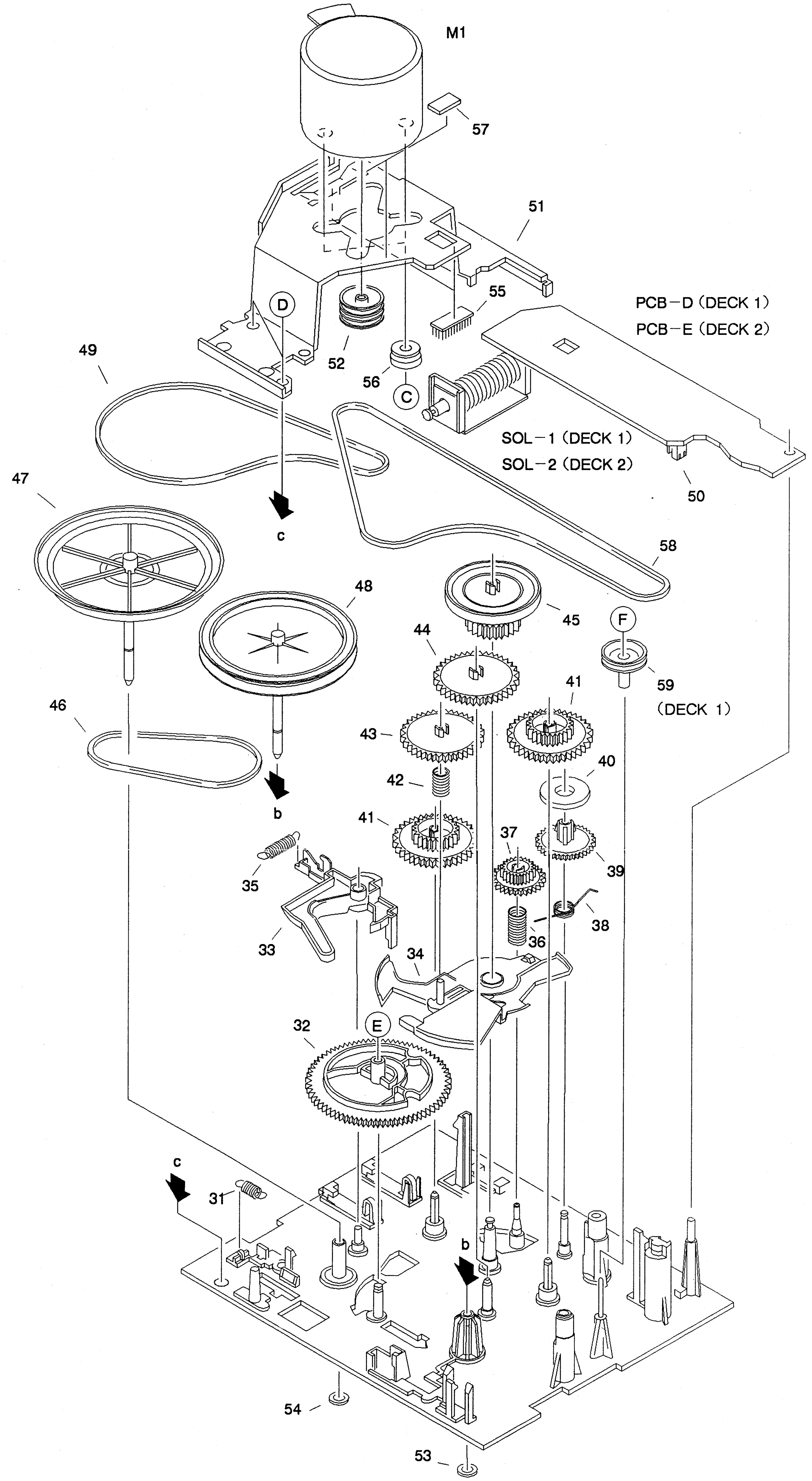


MECHANICAL PARTS LIST 2/2 (FD－N606)

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
1	81-ZG1-268-01K		CHAS, MECH V
2	81-ZG1-228-11K		HLDR, MAGNET
3	81-ZG1-253-119		HLDR, MECH MK2
4	81-ZG1-221-01K		WORM GEAR, TT
5	81-ZG1-230-010		G-CUSH, MECH
6	81-ZG1-231-010		SPR-C, MECH
7	81-ZG1-212-01K		PULLY, LOAD MO
8	81-ZG1-250-019		GEAR, TRAY RELAY MK2
9	81-ZG1-257-019		GEAR, TRAY B MK2
10	81-ZG1-256-019	-	GEAR, TRAY A MK2
11	81-ZG1-251-019		GEAR, RELAY MK2
12	81-ZG1-211-01K		PULLY, RELAY
13	81-ZG1-240-010		SPR-P, WORM
14	87-036-326-010		MAGNET, CLAMPER 93
15	81-ZG1-255-019		PLATE, MAGNET MK2
16	81-ZG1-232-010		BELT, TRAY
17	81-ZG1-238-119		CUSH, TRAY IN
18	81-ZG1-222-01K		WORM WHEEL, TT
19	81-ZG1-202-01K		GEAR, MAIN
20	81-ZG1-252-010		LEVER, TT MK2
21	81-ZG1-008-119		TURNTABLE, NO2
22	81-ZG1-213-110		PLATE, CAM
23	81-ZG1-262-019		SPR-E, CAM S
24	81-ZG1-206-11K		GEAR, MECH CAM
25	81-ZG1-011-119		TRAY MK2
26	81-ZG1-205-21K		GEAR, TRAY CAM
27	81-ZG1-233-110		BELT, TT
28	81-ZG1-236-01K		PULLY, TT MO
29	81-ZG1-260-019		SHAFT, WORM S
A	81-653-215-019		SPECIAL SCREW VT2
B	81-ZG1-254-019		S-SCREW, MECH HLDR
C	87-561-096-219		VFT1 +3-10 DIA 10
D	81-ZG1-239-019		S-SCREW, TT
E	87-067-945-119		VFT2+3-12
F	87-251-071-419		U+2. 6-4
G	87-067-579-019		BVT 2+3-8 W/O SLOT
H	81-ZG1-264-019		S-SCREW, CAM
I	87-761-095-419		VFT2+3-8W/O SLOT GOLD
J	87-078-029-019		VFT2+3-13
K	87-067-828-019		VFT2+3-15DIA10, GLD

TAPE MECHANISM EXPLODED VIEW 1/1 (FD－N606)

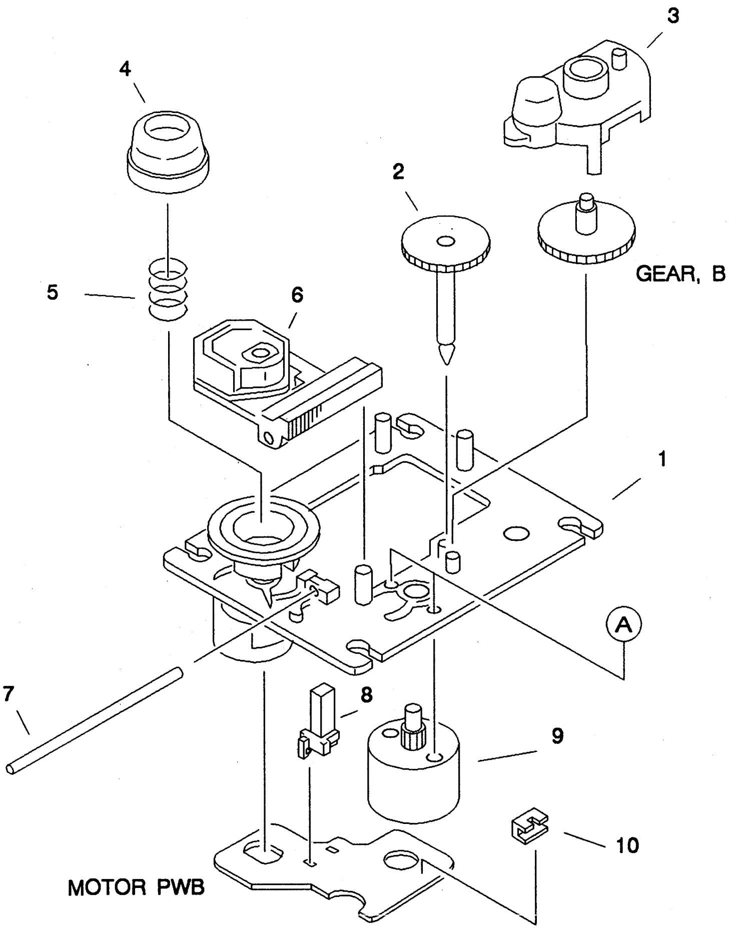

14
15
30
A
B
PH (DECK 1)
RPH (DECK 2)
13
12
16
HLDR WIRE 3
PCB－F (RELAY 1)
PCB－G (RELAY 2)
11
a
18
(DECK 1)
17
18
(DECK 2)
10
8
9
7
19
6
5
20
27
3
22
23
2
21
28
4
25
24
26
a
29
(DECK 2)
1


M1
57
51
PCB－D (DECK 1)
PCB－E (DECK 2)
D
55
49
52
56
C
SOL－1 (DECK 1)
SOL－2 (DECK 2)
50
47
c
58
48
45
F
44
59
(DECK 1)
41
46
43
40
42
b
41
35
37
39
38
36
33
34
32
E
c
31
b
54
53

TAPE MECHANISM PARTS LIST 1/1 (FD－N606)

REF.NO	PART NO.	ｶﾝﾘ NO.	DESCRIPTION
1	82-ZM3-214-110		CHAS ASSY,P (DECK 1)
1	82-ZM1-299-010		CHAS ASSY,R (DECK 2)
2	82-ZM1-258-010		SPR-T,PINCH L
3	82-ZM1-248-110		LVR ASSY,PINCH L
4	82-ZM1-295-210		PLATE ASSY,LINK
5	82-ZM1-266-010		LVR,DIR
6	82-ZM1-214-010		SPR-T,DIR
7	82-ZM1-206-210		CHAS,HEAD
8	87-078-014-010		SH,5-5-0.05
9	82-ZM1-269-010		SPR-T,BRG
10	82-ZM1-219-010		SPR-T,LINK
11	82-ZM1-210-010		GEAR,H T
12	82-ZM1-213-010		SPR-T,HEAD
13	82-ZM1-207-010		GUIDE,TAPE
14	82-ZM1-283-210		S-SCREW,AZIMUTH
15	82-ZM1-209-010		PLATE,HEAD
16	82-ZM1-208-010		HLDR,HEAD
17	82-ZM1-218-010		SPR-E,HB
18	82-ZM1-263-110		LVR,EJECT L (DECK 1)
18	82-ZM1-264-010		LVR,EJECT R (DECK 2)
19	82-ZM1-222-010		LVR,PLAY
20	82-ZM1-217-110		REEL TABLE
21	82-ZM1-244-110		SPR-C,BT
22	82-ZM1-285-110		SPR-C,BT L
23	82-ZM1-257-010		SPR-T,CAS
24	82-ZM1-241-110		LVR,MC
25	82-ZM1-242-010		LVR,CAS
26	82-ZM1-243-010		LVR,STOP
27	82-ZM1-253-110		LVR ASSY,PINCH R
28	82-ZM1-259-010		SPR-T,PINCH R
29	82-ZM1-240-110		LVR,REC (DECK 2)
30	82-ZM1-298-010		SPR-P,EARTH
31	82-ZM1-255-110		SPR-E,LVR DIR
32	82-ZM1-221-110		GEAR,CAM
33	82-ZM1-227-110		LVR,TRIG
34	82-ZM1-224-110		LVR,FR
35	82-ZM1-305-010		SPR-E,TRIG 2
36	82-ZM1-277-010		SPR-C,PLAY
37	82-ZM1-223-010		GEAR,PLAY
38	82-ZM1-256-110		SPR-T,FR
39	82-ZM1-220-210		GEAR,IDLER
40	80-ZM6-217-010		RING MAGNET 2
41	82-ZM1-216-210		GEAR,REEL
42	82-ZM1-276-010		SPR-C,FR
43	82-ZM1-225-010		GEAR,FR
44	82-ZM1-226-010		GEAR,REW
45	82-ZM1-228-210		SLIP DISK ASSY
46	82-ZM1-261-110		BELT,FR
47	82-ZM1-237-210		FLY-WHL ASSY,R (DECK 2)
47	82-ZM3-209-110		FLY-WHL ASSY,R2 (DECK 1)
48	82-ZM1-234-110		FLY-WHL ASSY,L (DECK 2)
48	82-ZM3-207-210		FLY-WHL ASSY,L2 (DECK 1)
49	82-ZM3-206-010		BELT,R
50	82-ZM1-245-210		HLDR,IC
51	82-ZM3-201-010		HLDR,MC
52	82-ZM3-202-010		PULLEY,MOT 2M
53	82-ZM1-288-010		SH,1.63-3.2-0.5 SLT
54	80-ZM6-243-010		SH,1.75-3.6-0.5 SLT
55	80-ZM6-230-010		SH,BELT
56	86-575-242-010		CUSH-G,DIA3.7-9-3.2
57	86-575-361-010		CUSH-G,6-8-0.8
58	82-ZM3-205-010		BELT,L
59	82-ZM3-204-010		PULLEY,COUPLER (DECK 1)
A	87-585-036-410		UIT+2-8
B	80-ZM6-207-010		V+1.6-7
C	82-ZM1-309-010		S-SCRW,MOTOR
D	87-067-178-010		VTT+2.6-3
E	87-067-932-010		PW,2.15-6.8-0.5 SLT
F	87-067-972-010		PW,1.05-3-0.25 SLT

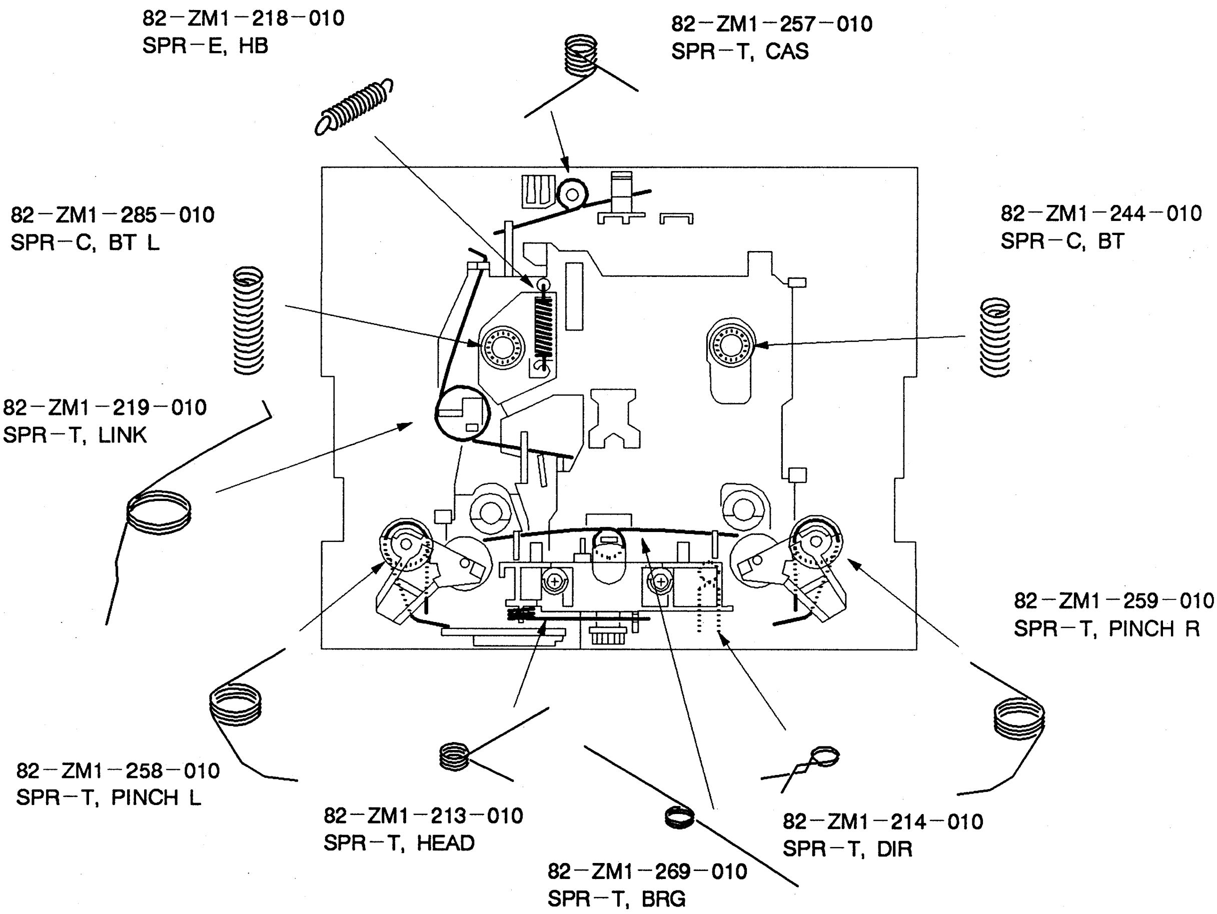
CD MECHANISM EXPLODED VIEW 1／1 (FD－N606)

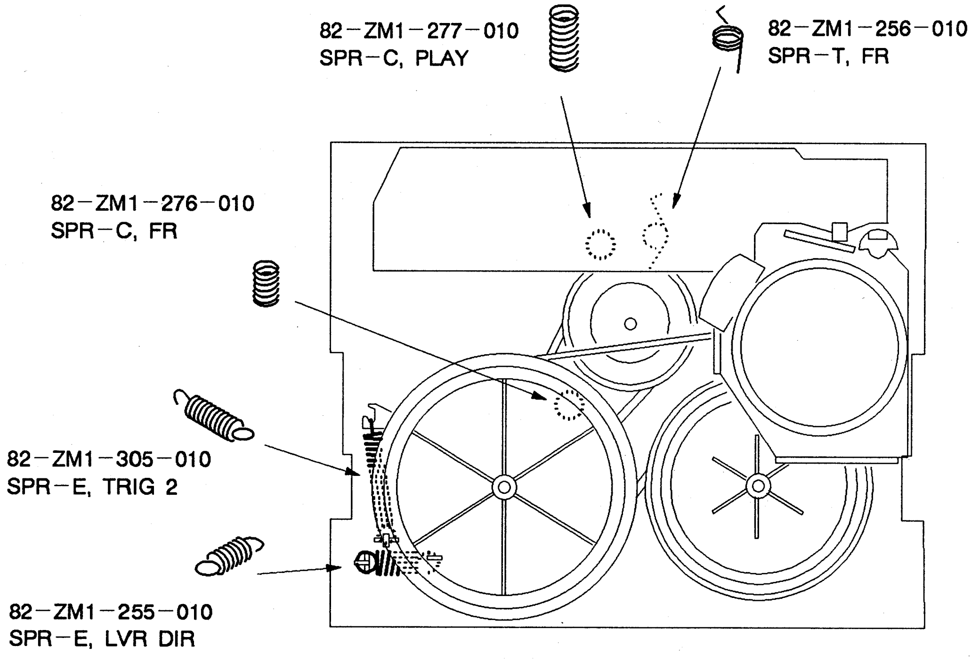


CD MECHANISM PARTS LIST 1／1 (FD－N606)

REF. NO	PART NO.	ｶﾝﾘ NO.	DESCRIPTION
1	9X-262-513-310		T. T CHASS ASSY W/MOTOR
2	92-625-188-020		GEAR A
3	92-625-544-010		COVER
4	92-625-187-010		RING, CENTER
5	92-625-191-010		SPRING COMPRESSION
6	98-848-127-110		PICK UP KSS-210A
7	94-917-565-010		SHAFT SLED
8	91-572-085-110		LEAF SW (LIMIT)
9	9X-262-513-210		SLED MOTOR ASSY
10	91-564-722-110		CONNECTOR 6P
A	87-261-032-210		V+2-3

SPRING APPLICATION POSITION (FD－N606)


82－ZM1－218－010
SPR－E, HB
82－ZM1－257－010
SPR－T, CAS
82－ZM1－285－010
SPR－C, BT L
82－ZM1－244－010
SPR－C, BT
82－ZM1－219－010
SPR－T, LINK
82－ZM1－259－010
SPR－T, PINCH R
82－ZM1－258－010
SPR－T, PINCH L
82－ZM1－213－010
SPR－T, HEAD
82－ZM1－214－010
SPR－T, DIR
82－ZM1－269－010
SPR－T, BRG


82－ZM1－277－010
SPR－C, PLAY
82－ZM1－256－010
SPR－T, FR
82－ZM1－276－010
SPR－C, FR
82－ZM1－305－010
SPR－E, TRIG 2
82－ZM1－255－010
SPR－E, LVR DIR

MODEL NO.

SX－N606

■SPEAKER LIST

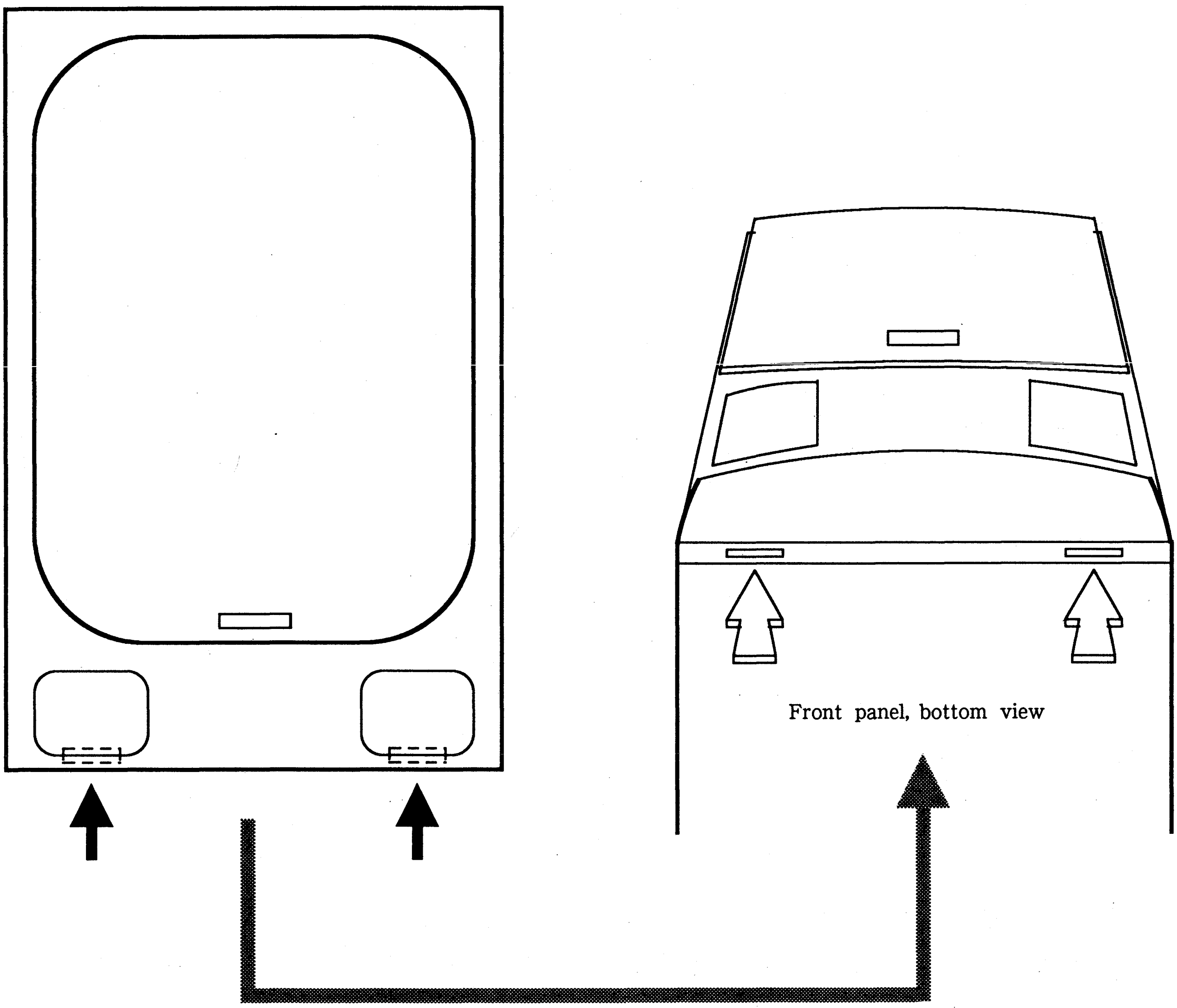
DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	ｶﾝﾘ NO.	DESCRIPTION
	82-NS3-009-010		PANEL BA
	82-NS3-002-010		PANEL FR(YU, YB)
	82-NS3-003-010		PANEL FR H(SYJ)
	82-NS3-013-010		PANEL FR N(YN)
	82-NS3-019-010		PANEL TW ASSY N(YN)
	82-NS3-004-010		PANEL TW ASSY(EXCEPT YN)
	82-NS3-007-010		GRILL FRAME ASSY
	82-NS3-602-010		SPEAKER WOOFER
	83-096-614-010		SPEAKER CORD

■DISASSEMBLY INSTRUCTIONS

- Insert a flat－bladed screwdriver into the position indicated by the arrows (shown in the below figure) and remove the front panel and tweeter. Remove the screws of each speaker unit and then remove the speaker units.

- SX－N606 (3 WAY SPEAKER SYSTEM)



■ACCESSORIES／PACKAGE LIST

DESCRIPTIONで判断できない物は “REFERENCE NAME LIST” を参照してください。
If can't understand for Description please kindly refer to “REFERENCE NAME LIST”.

REF. NO	PART NO.	ｶﾝﾘ NO.	DESCRIPTION
1	82-NT3-901-019		IB, H(S)
2	82-NT3-905-019		IB, E(S)〈E, EN, Z, ZN〉
3	82-NT3-645-010		RC-TN606〈HE, HR, LH, U, E, K, Z〉
4	82-NT3-650-010		RC-TN606(GOLD)〈EN, KN, ZN〉
5	82-NT3-656-010		RC-TN603〈603〉
6	87-006-226-010		AM LOOP ANT CON2〈E, EN, K, KN〉
7	87-006-225-010		AM LOOP ANT NC2〈EXCEPT E, EN, K, KN〉
8	87-043-115-010		ANT, FEEDR FM〈EXCEPT Z, ZN〉
9	87-043-106-010		FM, WIRE ANT(Z)〈Z, ZN〉
10	87-042-062-010		PLUG, ADPTR S-I6115〈HE, HR〉
11	87-009-724-010		PLUG, ADPTR IR39〈LH〉

REFERENCE NAME LIST

ELECTRICAL SECTION

DESCRIPTION	REFERENCE NAME
ANT	ANTENNAS
C-	CHIP
C-CAP	CAP, CHIP
C-CAP TN	CAP, CHIP TANTALUM
C-COIL	COIL, CHIP
C-DI	DIODE, CHIP
C-DIODE	DIODE, CHIP
C-FET	FET, CHIP
C-FOTR	FILTER, CHIP
C-JACK	JACK, CHIP
C-LED	LED, CHIP
C-RES	RES, CHIP
C-SFR	SFR, CHIP
C-SLIDE SW	SLIDE SWITCH, CHIP
C-SW	SWITCH, CHIP
C-TR	TRANSISTOR, CHIP
C-VR	VOLUME, CHIP
C-ZENER	ZENER, CHIP
CAP, CER	CAP, CERA-SOL
CAP, E	CAP, ELECT
CAP, M/F	CAP, FILM
CAP, TC	CAP, CERA-SOL
CAP, TC-U	CAP, CERA-SOL SS
CAP, TN	CAP, TANTALUM
CERA FIL	FILTER, CERAMIC
CF	FILTER, CERAMIC
DL	DELAY LINE
E/CAP	CAP, ELECT
FILT	FILTER
FLTR	FILTER
FUSE RES	RES, FUSE
MOT	MOTOR
P-DIODE	PHOTO DIODE
P-SNSR	PHOTO SENSER
P-TR	PHOTO TRANSISTOR
POLY VARI	VARIABLE CAPACITOR
PPCAP	CAP, PP
PT	POWER TRANSFORMER
PTR, RES	PTR, MELF
RC	REMOTE CONTROLLER
RES NF	RES, NON-FLAMMABLE
RESO	RESONATOR
SHLD	SHIELD
SOL	SOLENOID
SPKR	SPEAKER
SW, LVR	SWITCH, LEVER
SW, RTRY	SWITCH, ROTARY
SW, SL	SWITCH, SLIDE
TC CAP	CAP, CERA-SOL
THMS	THERMISTOR
TR	TRANSISTOR
TRIMMER	CAP, TRIMMER
TUN-CAP	VARIABLE CAPACITOR
VIB, CER	RESONATOR, CERAMIC
VIB, XTAL	RESONATOR, CRYSTAL
VR	VOLUME
ZENER	DIODE, ZENER
ｻｰｼﾞｻﾌﾟﾚｯｻ	SERGESUPPRESSOR
ｾﾗｺﾝ	CAP, CERA

サービス技術ニュース	
番号	連絡内容
G－　－	
G－　－	
G－　－	

MECHANICAL SECTION

DESCRIPTION	REFERENCE NAME
ADHESHIVE	SHEET ADHESHIVE
AZ	AZIMUTH
BAR-ANT	BAR-ANTENNA
BAT	BATTERY
BATT	BATTERY
BRG	BEARING
BTN	BUTTON
CAB	CABINET
CASS	CASSETTE
CHAS	CHASSIS
CLR	COLLAR
CONT	CONTROL
CRSR	CURSOR
CU	CUSHION
CUSH	CUSHION
DIR	DIRECTION
DUBB	DUBBING
FL	FRONT LOADING
FLY-WHL	FLYWHEEL
FR	FRONT
FUN	FUNCTION
G-CU	G-CUSHION
HDL	HANDOL
HIMERON	CLOTH
HINGE, BAT	HINGE, BATTERY
HLDR	HOLDER
HT-SINK	HEAT SINK
IB	INSTRUCTION BOOKLET
IDLE	IDLER
IND, L-R	INDICATOR, L-R
KEY, CONT	KEY, CONTROL
KEY, PRGM	KEY, PROGRAM
KNOB, SL	KNOB, SLIDE
LBL	LABEL
LID, BATT	LID, BATTERY
LID, CASS	LID, CASSETTE
LVR	LEVER
P-SP	P-SPRING
PANEL, CONT	PANEL, CONTORL
PANEL, FR	PANEL, FRONT
PRGM	PROGRAM
PULLY, LOAD MO	PULLY, LOADING MOTOR
RBN	RIBBON
S-	SPECIAL
SEG	SEGMENT
SH	SHEET
SHLD-SH	SHIELD-SHEET
SL	SLIDE
SP	SPRING
SP-SCREW	SPECIAL-SCREW
SPACER, BAT	SPACER, BATTERY
SPR	SPRING
SPR-P	P-SPRING
SPR-PC-PUSH	P-SPRING, C-PUSH
T-SP	T-SPRING
TERM	TERMINAL
TRIG	TRIGGER
TUN	TUNING
VOL	VOLUME
W	WASHER
WHL	WHEEL
WORM-WHL	WORM-WHEEL
ｼﾞｸｱｰﾑ	ARM, SHAFT
ｼﾞｸｶﾞｲﾄﾞ	GUIDE, SHAFT
ｽﾄﾗｯﾌﾟ	STRAP
ﾄｸﾅﾍﾞ	S-SCRW
ﾋﾝｼﾞ	HINGE
ﾋﾝｼﾞﾋﾞｽ	S-SCRW
ﾋﾞｽｾﾚｰﾄ	SCRW, SERRART

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